# Art of Painting In OY L.

Wherein is included each particular Circumstance relating to that Art and Mystery. Containing the best and most approved Rules for preparing, mixing, and working of Oyl Colours.

The whole Treatile being so full Compleat, and so exactly fitted to the meanest Capacity, that all persons whatsoever, may be able by these Directions, to paint in Oyl-Colours all manner of Timber work; such as Polts, Pails, Pallisdoes, Gates, Doors, or any thing else that requires either Use, Beauty, or Preservation, from the violence or Injury of the Weather.

In which is also particularly laid down, all the several Circumstances required in Painting of Sun-Dials, Printed Pictures, Shash-Windows, &c. In Oily-Colours.

The Third Impression with some Alterations, and many Matters added, which are not to be found in the Two former Editions.

To which is added, The whole Art and Mystery of Colouring Maps, and other Prints with Water Cobors.

By JOHN SMITH, C. M.

LICENSED,

Rab Midgely

#### LONDON:

Printed for Samuel Crouch, at the Corner of Popes-Head-Alley in Cornbill, 1701.

## Artol Lanun

Wherein is included each uniquide Chemican Trees.

There is included each uniquide Chemican reserved.

and short approved No. 10 preparing the reference of the convenience of Cyl Colonia.

The whole Treside brine is full Complete, and is causily find to one man and the state of the st

In which is to not on the court of the investigation of the court of t

The Third Indian Son with an Attended, and Chang Magnet added, which are got to be found in the Two Armer Latinans

to relate to the state of the sease with the sease of the

#### B. 70418 MUST 18

ELEBNOED. THE MANNEY

LONGON:

Pripred for Samuel-Errich, at the Corfler of Paper-Head-Aller in Christill, utor.

#### To the READER.

Reader,

The first and second Impressions of this Work having given very good satisfaction to several ingenious persons that were desirous of some instructions in this matter, and the Books being all sold off, and a third Impression intended. I was desired to take some pains to view and correct the Work, and to add such things as were sound wanting, to make it compleat, which I hope I have done, to the satisfaction of all that shall peruse this last Edition, there being not wanting in it any one particular circumstance that is requisite to a work of this nature.

Hoppose no Man will judge, that this Book is designed any ways to instruct those that are professed Painters, whose knowledge in these affairs must be supposed to out strip these first Rudiments of their own profession; no, the chief design of this work is, only in order to instruct A 2

#### To the READER.

such ingenious persons as are desirous of some insight into the nature of working

in Oyl Colours.

Besides this, the Gentry themselves, that live far remote from great Cities, where Painters usually reside, may someband in preserving such Ornaments of their Habitations, as are most exposed to the violence of Rain and Wer, there being less trouble in preferving that already made, than in making new : When a Gentleman therefore has been at the Charge in fitting his Habitation with good Doors and Gates, has fenced in about with Pails, and aderned his Gardens with Borders and Palifadoes, Seats and Arbours to rest in, and fuch like; it is easy for any of his Servants, by the Directions here given, to be able to Colour over and Paint, any of these, or any other kinds of Timber-Work in Oyl Colours. shole that we profe

In Painting of Sun Dials, I have been very particular, for this reason, that there being many Books extant that teach the way of drawing Dials, and many Gentlemen are very expert in them, but yet sew

#### To the READER.

few or none are able to paint their Dial on the Plain when they have drawn the Draught, therefore I thought it not time ill spent, to set down the several material particulars relating to that work, not doubting but all persons that are Lovers of Art, will add this piece to that part of their Library that relates to

Dialling.

4

8

n

eb

à-

A-

es .

be

6

ny

en

at

ch

en-

et

ew

In the whole Work, I have been care. ful to relate only matter of fall, and fet down only such Rules and Observations. as by infallible Experiments my self bas found true, avoiding altogether things speculative or what is only known by hear fay; and therefore as to all the particulars of it, the Reader may rely upon them as true and certain; the file I confels is mechanick and plain, but I consider that Discourses of this nature require not Eloquence to perswade, or intice the Reader; Knowledge being best communicated by clear and significant Expressions; and in this I have done my endeavour; and for the rest, if any shall take exception, I have this only to fay, that my aim in it has been more for the Profit and Pleasure of others, than my own Advantage.

To be READER.

To conclude therefore, good Reader, if it shall be found, that this Piece is entertained in the World with any kind Acceptation. I do promise my endeavour farther to communicate to the same some bundreds of particular Experiments, of great use and advantage to most sorts of People, and such as relate almost every particular Circumstance of bumane Life; all of them related with the greatest Faithfulness, Care; and Plainness, that each Particular is capable of in the mean time, let us all be so far careful in our own Affairs, that while we strive to excel others in Knowledge, we fall not short of them in Vertue and a good Life: the end of all Science rends chiefly to a tem-poral Satisfaction; but he that adds Vertue to his Knowledge, adds to the Felienses of this World the Glories of the guire not Elosswing per wade, chen ice the Reader Williamed being best communicated by MchAMall and Ex-

Med See and the land done my en-deadour, and be the reft, if any shall take exception, I have this only to fay,

that my with in it bus been more for the Hay and Pleasure of others, they my שמם אמעמדונקני

nd

me

of

ery

est

ean

our

ccel

ort

the

em-

64-

ch-

the

in'

975

116

69

UT

dis-

#### JUNE N. OF PRIMERING SHOW DRINGS L'inne die mobien l'acute a the Joines of Did Hard to best Clus for a wing Chap. XI. How to make v. Par sing of a Sub- Dial Chaps MIH: The Practice of Painting San Coals OF THE d mith Gold on was Chap. XIV. How to gen SEVERAL CHAPTERS. Chap. XV. The way of Paristing a Blile with Chap. L AN Account of the feveral Tools, or the Art of oulgar Painting. That are used in Chap. II. A Gasalogue of the Veneral Colours head in Painting with Oyl; their mature and way making. Chap. III. Of the burning of Colours, or preparing of them that require to be fo ufed. Chap. IV. How to walk fuch Colours as for grittings are not otherwise to be made fin enough for certain uses. Chap. V. How to grind Colours with Oyl. Chap. VI. How to order Colours for working after they are ground. Chap. VII. How to make a Size for the guilding bath with Gold and Silver. Chap. VIII. The practice of working Oyl-Colours, and Painting of Timber-Work, after the manner of oulgar Painting: Chap. IX. What Colours are most sutable, and fee off best one with another. P. 49.

Chap.

#### The CONTENTS.

	Wall on the light
Chap. X. Of Painting Sun	Diats, and first of the
Plains on which Dials av	La Clas for alvino
Chap. XI. How to make the	e celt Gine for Suing
the Joints of Dial-Board Chap. XII. What Coldurs	are while for the
Painting of a Sun-Dial.	D. 50
Chap. XIII. The Practice of	f Painting Sun-Dials.
HHE	3 0 p.61
Chap. XIV. How to guild	
Sixe, either Letters or F	
Chap. XV. The way of P	dinting a blue with
Smale, the only Colours to	ar regions proteins
Chap. XVI. How to four	refresh and preserve.
all manner of Oyl Paint	MES IN P. 24
all manner of Oyl Paint Chap. XVII. An Experis	nent of very near affi-
mity to Oyl-Painting, bu	t of great ule to Tra-
vellers of Jome Rends: 1	o the chief Officers of
Camps and Armies, Sean	ien, and Jueb like. P.79
Chap. XVIII. How to pres	eroe all prignt from
and corroding air, by an	Oils Varnish p. 82
Chap. XIX. The Art of B	ack Painting, Mezo
einsto Prints, with Oyl-	Colours p. 85
LDap. XX. The manner of	Painting Cloath, or
Sarfnet Shaft-Windows.	n or 1011 111 P 23
Chap. XX1. The whole Ar	t and Mystery of Co-
louring Maps, and other	
Colours.	2044 Painting of 25
The state of the s	ner of vulgar free
	H.TX. What Gal.
order: '0.49.	off best one mit a

the

53 ing

57

ily

66

ith

(8) (1.

0e, 14 fi-

79 milt 83

B

lucilove and spacers, the Colours that How of Toruna of the lille the suice that that the beauty fill require in thete hollow porce of the Money which was their spoil the beauty and lettic or their other Colours that the month of terries of a Scone of grinding our rate beautiful foot and half deare, and fix hick, that its weight nay be fufficient To Ocp it aff and fien. dy and not are to be moved when Co-PAINTING. the form of an Law the bigger end of MARICA IS to be 'oronon call and with

there Sind of the A. A. Hung be ground An Account of the several Tools, or manual Utenfils, that are used tu the Art of vulgar Painting.

HE first is the Grindstone and Muller for grinding of Colours the Stone must be a hard spotted or Rance, Markle, of a close grain, not fpongy or full of finall Pores; for it the grain of the Stone be not close, but hollow the form of an Egg, the bigger end of which is to be broken off, and with tharp Sand or Emery, it must be ground smooth and flat on some other hard flat Stone; and the Edges of it must be well rounded off, that the Colours may the better slide under it when it is moved round: this Stone ought to be about two Inches Diameter, or three at most, on the flat end, and about five linches high, that so you may command it the more easily in the time of grinding.

For want of a spotted Marble (which is a Scone of a halle Colour, compact of a number of Kernels as it were in the

the Greet of it) you may make use of any kind of hard Marble, either white or black; some I have known to use a Slate, such as in Sussex they cover their Houses with, being in large pieces; some of which I have seen above two Foot square, and an Inch and a half thick; which kind of Slates for vulgar Paintings may serve very well.

When a good shap't Stone for a Muller is wanting, a fragment of any smooth fided Stone, cemented (with Rosen and Brick dust mixt together) into a piece of Wood of a fit shape to hold it by, has performed the work as well the best

Muller in the Shops, 200 10 21 21 21 21

11

e

y

at d-

lf

ht

**a**-

0.

of

th

be

at

all

he

ed

vo he

at

ily

ch

in

he

3. To these belong a Voider, being no other than a Lanthorn Horn, about three Inches one way, and four the other; this Voider is to clear off the Colours from the Stone when ground, and also to keep them together in the time of grinding when it spreads too much.

Wood of the same fize, cut thin and made very sharp and even on the edge,

may ferve as weil.

B 2

4. Pots

delign them for estate to bank dollaw,

But in Case you design to grind at one time so much of each Colour as may be sufficient to serve your occasions a long time together, as some do; then when you have ground all those quantities of each as you think fit, let them be put up and tyed close in Ox Bladders, or in the Bladders of Hogs or Sheep, according as your quantities are; this will preserve them from drying or spoiling a long time together.

Tremember I had a parcel of Colours given me in the Year 1661, by a Neighbouring Yeoman, that were, as he faid, left at his House by a Trooper, that quartered there in the time of the Wars, about the Year 1644. This Man was by Profession a Picture Drawer, and his Colours were all tyed up in Bladders, according to the Method before prescribed.

al lo-

vi-

ou rt,

ou

be ng en

of up

the ing rve

me

urs ghuid,

hat ars,

his ers.

cri-

bed, and when I had opened them, I found them in a very good condition, and to my thinking as fit for use, when mixt with a little fresh Oyl, as if they had been but very lately ground, though they had remained in this condition about seventeen Years

5. You must be also provided of Brushes and Pencils of all forts and fizes; Brushes are always made of Hogs Brifiles, they are of feveral fizes and thapes, forme round, and others flat; the round ones are of all fizes, from two luches Diameter to a quarter of an Inch; those of the largest fize are for priming the Work, and for laying such Colours as are used in great quantities, and in Colouring over the superficies of all large Work, fuch as Posts, Pails, Wainscot, or fuch like: the smaller fort of Brushes are to use in such parts and places of any Work, as larger ones cannot well come to work in.

Flat Bruthes are chiefly in use for drawing of Lines, and in the imitation of Olive and Walnut Work.

ded of a finer and finaller Hair: thefe

#### The art of Painting.

also are of several sizes, but all generally round, being for the most part fitted into Swans, Geese, or Ducks Quills, and from thence are termed Swans Quill, sitcht or pointed, Goose Quills, sitcht and pointed, Ducks Quills, sitcht and pointed; besides these, there are a larger sort of Pencils in Tin Cases, and some in Stocks like Brushes, all made of the fine Hair.

In the choice of Broshes and Pencils, observe these rules: For Brushes, observe whether the Briftles are fast bound in the stocks, and the Hair strong and lie close together, for if they don't lie close but sprawl abroad, such will never work well, if they are not fast bound in the stock, the Briftles will come out when you are using them, and spoil your work for fuch I have feen where the loofe Hairs, from the Brush, have lain buried up and down in the Colours laid on, to the great disparagement of the work: to prevent this, if they are not fast bound, drive in some thin Wooden Wedges between the Thread with which they are bound round; and by thus doing the Briftles will be made tite and fecure. In chufing of Pencils, especially the pointed ones, do thus; put them into your mouth, and moissen them a little, then draw them forth between the Tongue and the Lip, and if they come out with an intire sharp point, without cleaving in twain, they are good; provided also, they be thick and full set next the Quill, and also fast bound; if they be thin and lean next the Quill, they never stand well to the work, nor

draw tharp and clever.

n-

nd

il,

n-

er

ne

he

ls,

ve

in

ie

ie

e-

nd

ut

H

ne

4

A.

k:

d,

ei le

10

ob

n

To every one of these Case, or Quill Pencils, let a neat stock be sitted, about nine Inches in length at the least; for unless the Pencil be held a good distance from the hand, you shall never he able to command it well, nor work so neat, as when you have the true command of a Pencil, held thus at a large distance, your hand being supported, as is usual, by Ruler, or small walking stick; one end of which you must hold in your less hand, and the other must rest on the work, but yet so as not to do it any Injury.

7. If you have, at any time, occasion to guild with Leaf gold, on an oily fize, B 4 accor-

according to the usual practice of Painters, there does then belong to this work several distinct manual Tools: As first a Cushion upon which the Leaves of Gold must be laid, when they are to be cut into such forms as fit the work you are to guild; this guilding Cushion, is generally made of a smooth grained Bazil Skin, the flesh side outward, this is to be nailed to the edges of a square wodden bottom, about six Inches square, and then well stuff out with Corton or Wool, very hard, plain, and flatiss. Upon this guilding Cushion the Gold Leaves are to be laid, when you would cut them into such scantlings as will best fit the work you design to guild.

8. The Instrument you make use of to cut the Leaves, must be either a sharp smooth edg'd Case Knife, or else a slip of the hollow Spanish Cane, cut up to a smooth and sharp edge with a good Pen knife; this Cane knife is counted the best, because if well made, it will not only be very sharp, but also cut the gold leaf more naturally than any other; for a Steel Knife, though it cut very well, yet the gold will stick to't, and

n-k

ld

re

ie)

zil

to d-

e, or

M.

old

ild

eft

of

IP

lip

ted

All .

the

er:

ery

ind fo fo give you much trouble to part the Leaf from it except you are careful to keep the edge very dry by continually wiping of it with a clean and dry Cloth, whereas a Cane Knife will put you to no fuch trouble in the use of it, its substance being of such a nature, as not to retain any viscous or claiming matter, capable of making the Gold stick to it.

9. When by the use of these you have out out the Leaves of Gold into proper feantlings, it must then be taken from off the Cushon, and laid down upon the work you are to guild; to perform which, if the work be flat and plain, you must use the guilding Pallar, tis only a flat piece of wood about three Inches long, and an luck broad, upon which iswoobe glewed a piece of fine woolleni Clothrof the fame dength and breadth chipolithis Paltat do but breath with your breath that the Cloth may be made a little moit, by it, then if you clap it down gently on the Gold that is cut out, it will flick to the Pallet, and may from thence be readily conveyed to the work you are to guild, and laid down on it; but this kind of Tool is Chalks only

work that is to be guilt, then Painters do usually take up their Gold, either from the Book or Cushon, with a bunch of Cotton Yarn, a little moisined with their breath; for Cotton is a material very apt and sit to press into the hollowness of the work, with the gold up-

on it; in case you want Cotton, a bunch

of good fine Wool may do as well.

But if this gold be to be laid on within the hollows of carved work, then you must use a fine Camils Hair Pencil, of such a fize as is sutable, this, when moistned by breathing on it, will take up your leaf-gold, and by the help there of the gold may be laid in any hollow work:

he Black lead Pencils are of fo great use in drawing in some Cases, that a Painter can very ill want them; as also good vino Chalk; m-

からな

of

ed do

of

ith

ial

ol-

up-

On

hen cil,

hen ake

ere-

use

nter ood lk; Chalk; the Chalk must be such as is of a soft grain, that will easily spend it self on the work you draw upon; if the Chalk be of a hard stony nature, it will spoil whatever you draw upon, for you must press so hard to make it spend its self, that the work will be full of deep races, not to be after obliterated; a great damage to the beauty of the work.

11. For Black-lead Pencils; those that are right good, are not easy to be got ten; therefore that you may not be deceived in the choice of them, take no tice, that the best Black-lead Pencil, is that, that spends its Colour freely, and draws Black with an easy and light froke, the goodness of the Lead may also be known by the grain of it; the best Lead if you shave off a little of it with a sharp Knife, will appear smoth and shining as Glass, not hollow or foungy; that Lead that when cut appears not with a good glass, is of a dull Colour, and of a hollow fpungy grain, is of little or no value, for the grain is to hard, it will never spend black, nor half a Crown to five Smillings the word

#### 12 The Artiof Painting.

Befides this, the common Pencils of the Shops are made up so deceinfully, that they are not good Lead half way up the stock; the best way therefore is to buy Black lead in the lump at the Colour-Shop, and with a fine Spring Saw, cut it into scantlings of the bigness of a Quill, into which you may fir it; and having fastened it in with glue, it will be found much better and cheaper, than to buy them at the Shops.

there will be required, as necessary for Painting, Brass Compasses, for setting out and proportioning your work; they also assist you much in drawing all Figures that have a circular form; there is need also of Rulers of several lengths, as also Squares, Cruciples to burn Co-

lours, and Bladders for Oyland a thin

The value of such of the foremention'd particulars as are to be bought ready fitted.

A marble Stone for grinding, according to its fize and bulk, will coff from half a Crown to five Shillings the Stone.

Belides

#### The Art of Painting

two Shillings, will cost eighteen Pence or

The largest Brushes will cost six Pence a piece, the other sizes from four Pence

to one Penny a piece in a stall , and a

The largest fort of Pencils made with fine hair, either in Tin Cases, or in wooden stocks, from eight to two pence a piece, those inclosed in Swans Quills, a penny a piece, and others in Goele or Ducks Quills are fix pence a dozen, one with another, or a half-penny a piece.

Black lead Pencils, the best in Ceder Cases, will cost three pence a piece; but an Ounce of the finest Black-lead in the lump, cut out as before directed, will do as much service as any fix Pencils, which Ounce of Lead will cost you about fix pence, if it be prime

good.

r

e

13.

7-

d.

1-

n

€.

A

Brass Compasses are from eighteen pence to six Shillings a pair, according to their fize and goodness; a pair about eight Inches in the shank will cost about two shillings six pence, a pair of the same size made with three points, viz. a steel point, a pen point, and a black-lead point, will cost you, if well made, six shillings.

Cruciples

#### 44 The Art of Painthin.

pence a piece, if they are large; the other fizes are a penny a piece, and the

h

11

finallest a half-penny, the one soon a

Note, That grinding Stone and Muller, and all kind of Pencils, are to be had at the Colour Shops; Brass Compasles and Squares at the Mathematical Infirument makers; and Cruciples you shall find plentiful at the Ironmongers in Fosterlane.

### Cases, will only the pence a piece;

Phoelt land Peneits, the best in Coder

A Catalogue of the several Colours
used in painting with Osl; their
mature and way of making.

#### Dan Coraten we

Whitestead, this Colour ows its original to the common Plummers Lead, of which it only is made, the manner is thus: AtVenice, where the greatest quantities were formerly only made, they colours.

10

ne

ne

1

be

I.

n-

שכ

16

RT I

13

ir

he

its

id.

is

In-

ev

ke

dij

take Sheet-lead, and having cut it into long and narrow flips, they make it up into Rouls, yet fo as a fmall diffance remains between every spiral revolution these Rouls they put into Faithen Pots. to ordered that the Lead may not fink down above half way or hetter in thema these Pots have each of them very sharp Vinegar in the bottom, fo full as almost to touch the Lead; when the Vinegar and Lead are both conveyed into the Pot, Pris cover'd up close, and so left for a certain time, in which space the conrofive fumes of the Vinegar will reduce the superficies of the Lead into a white Calm which they feparate by knecking upon it with a Hammer: A more particular Description of the whole Process you may find communicated to the Royal Society, by Sir Philberto Vernatti. and Printed in the Philosophical Transactions, status III beating fled out hat

Of this Colour there is two forts at the Colour-Shop, the one called Cerufe, which is the most pure and clean part, the other is called by the plain name of white Lead, they are Colours that work with very much eafe, and will be ground as

as Operation Parfacing.

as fine everyas the Ovl it felf in comparifon if won will take time chough in the grinding quitties very fonboth, and binds very hard, on what work foever it be laid on off you paint with it any kind of Timber work or Stone, that you would preferve from the weather, it is best to work in Linsed Ovk for that with bind livextream hard if you lay it upon the work very stiff but if you use White lead alone within Doors it is then best to mix it with drying Nat Oyl, for Linfed Oyl within Doors will turn Yellow, and spott the beauty of it; which inconvenience Walmit Ove made to dry prevents of for that makes if keep a confram whitenessus I a drive it nous nat

all

S

i

b

V

I

n

i

n

Befides White Lead and Cenis there is another fort to be met with formetimes at the Colour Shops, which they call Flake white, which is by forme accounted the best white of all others, but the reason of that I don't well understand, except it be because it is scarce and dear, this Colour is said to be found only under the Lead of some very old Buildings, where time has by the assistance of some sharp quality in the air, thus

The get of Painting. thus reduced the undermost superficies of the Lead in this white Calx, which proves a very good White, but in my opinion not exceeding the best Cerus, which is as white as the other, and a great deal cheaper, imid sit manw min of the ground with the Ovl. for elic

ipa-

rin

and ver

any

VOU tois

hat yiit

use hen

for

Kel-

rich dry

OD-

rere nes call

unthe ind.

and

und old affiair.

hus

This Colour is no other than a Soot raised from the roseny and fat parts of Eur Trees, it comes mostly from the Northern Countreys, as Sweden and Narway; its a Black that is more generally used than any other. because of its plenty and cheapness, and proves a very good black for most uses; us of so fine a Body, that if tempered only with Linked Cyl, it will serve to work with on most common occasions without grinding, but thus used, 'twill require a long time to dry, unless you mix much drying Oyl with it; or which is better some Verdigrease finely ground, this and the drying Oyl together will make it dry in a little time: Some add also Oyl of Turpentine; and without thele it will not dry in a long time;

18 The Art of Painting.

for in the substance of the Colour is contained a certain greaty farmels that is an Eliemy to drying, to remedy which, burning in the fire till it be ted hot and cease to smoke, will consume that farmels, and then it wall dry much sooner, but when 'tis burnt it must then of necessity be ground with the Oyl, for else 'twill not work sine', for the Fire is of that nature, that it's apt to harden most Bodies that pass through it; this Colour is usually made up in small Boxes and Barrels of Deal, of leveral sizes, and so brought over to us.

Befides Lamblack, there is another fort of Black, called Lamp, or Candle Black, and this is the foot of a Lamp or Candle, which I have heard very good Artills commend, as a much better Black for any tife than the Lamblack, it being of a finer Body and Brighter Colour, but I think not to be gotten in very great quantities, and therefore used only in very fine work.

Ivory Black, is made of the Combmakers Raspings, and other waste Fragments of Ivory; these are burnt or cha-

red to a black Goal in a Cruciple close

-10t

The art of phinting. Stope up, this proves 2 very delicate Black when ground very fine; you have it at the Shops well prepared, and leveich. and gated or ground very fine with Water Ht. on a Marble Stone, and then dryed in finall Lumps; being this prepared, its the thore early ground in Ovl. with er, neelse which it will he with as good a Body, s of as most Colours do; but his something deal, and therefore not used in any comflor out THOSE DE DEM NORW HORE and Some the Willow Charcoal; this if dfo ground very fine, does in Oyl make a very good Black, but being not to eafy her dom used to you bar had not have dle 10 0 it be ground very hine, no Colour in the boo World looks beyon no gwarks importner ack nor bears a better body than Vermillion ing ur V Emillion is the most delicate of all light Reds, being of it felf a perfect scales Colour, its made artificially out of Chickfilver and Brimstone in the matine following Take fix Onnees of nb. Britistope and melt it in all Iron Ladie ag then put two Pound of Quickfiver into ha a Shammy Leather or double Linnenofe Clock Tqueeze It Hom thence had me melred

melted Brimstone, stirring them in the mean time with a wooden Spatula, rill they are well united, and when cold, beat the mals into a Powder, and fublime it in a glass Vellel, with a strong Fire, and it will atife into that red sub-stance which we call artificial Cinaber, or Vermillion, the whole process you may fee more at large in Lemery's Chymility. This Colour is of a delicate fine Body, and if pains be bestowed on it, twill grind as fine as the Oyl it felf; and then it makes a most excellent Colour; but if it be not ground very fine, the Glory of it will not appear, for it will look dull and work course; but if it be ground very fine, no Colour in the World looks better, nor works fmoother. nor bears a better body than Vermillion does, nor goes farther a william IT

Lake, especially the richest forts, is the best of all dark Reds, being a most pure Crimion; it is a Colour that will grind very fine, and lies with a good Body, but there must be good store of Pains taken with it in the grinding, for if it be not well and thoroughly ground, its Colour will want much of its glory;

melted

C

and

he

ill ld.

ab-

ng

ub-

ou

hy-

me

it,

lf;

Co-

ne.

r it

tif

the

ier,

ion

Vis

flor

vill

pod

191

tor

ind,

D)

and belides this, 'twill work with fome difficulty, being apt to cling together like a felly, fo that 'twill be apt to cling up rogether, after tis laid on, just as you fee warm Water does upon a greafy Trencher, when 'ris washed in it; prevent which, grind it well, and temper it as stiff as you can well work it; of this Colour there be divers forts at the Colour-Shops, very different, some being of a more dead and pale Colour; 'tis made of the tincture of a Vegetable, as fome fay, but what, or how done, I cannot as yet learn; only note, that the best forts come from Venice and Florence.

Red Lead is the lightest of all Reds now in use; ris a fandy harth Colour, and such an one, as is not eafily ground very fine, although you bestow much labour on it; this Colour is made out of common Lead, by first reducing it to a Litharge, and that Litharge being afterward ground to a Powder in a Mill, is afterward conveyed into a hot Furnice, for that purpose, where 'tis continually kept flirring with an Iron-Rake, till it has attained to the Colour of a fine, pale

C 3

The art of Maintings

red; the whole process you may see more at large in Mr. Ray's Appendix to his Catalogue of hard English words:
Note, that this, though it be a Sandy
Colour, yet it bears a very good body
in Oyl, and binds very tast and firm,

being also a quick dryer.

Spanish Brown, is a dark, dull red, of a Horsestesh Colour, 'tis an Earth, it being dug out of the ground, but there is forme of it of a very good Colour, and pleasant enough to the Eye, confidering the deepnels of its Colour, 'tis of great use among Painters, being generally used as the first or priming Colour, that they lay on upon any kind of work, being the cheap and plentiful, and a Colour that works well, if it be ground fine, as you may do with lefs labour than fome better Colours do require; the belt fort is the deepest Colour, and freest from Stones; the other forts are not to good. to give a Colour to the Eye, but yet, they ferve as well as any others for a six orterwant conveyed into a tuolog griming

tal that pimpores where his continually kept through with an fronticake, till is tast the first of a fact pale t

## TELLOWS STREET

ilize

You Mov

of so

160

deni

g

15 36

Y

8

Hon

S. T.

Vert nin

dic .id

Acut

5110

11

KI 3.1 2.

ZEllow Oaker, is of two forts, one called Plain-Oaker, and the other Spruce-Oaker, the one is much a lighter Colour than the other; 'tis a certain concret, or frony fuhltance, found among stiff Clays in divers parts of this Kingdom; but those parts that contain most of it, is the Shotover Hills near Oxford, from whence most of the Yellow-Oaker, that is sold in England, is dug out; its a Colour, that with pains, will grind very. fine, it bears an excellent body, and re.

filts the weather well. Pink Yellow, is the Tincture of a Vegetable, whole substance being reduced to a Musclage, and after dryed, becomes a good light Yellow, a little inclining to a Green; its a Colour that grinds very eafy, and bears a good body.

Orpiment is that Colour that some call Yellow-Arlenick; tis a good Colour for fome uses, but very troublesom to grind, being a Mineral stony substance of a poylonous nature; therefore take care that the fumes of it don't offend the

#### 24 The Art of Painting.

Massicote, is a good light Yellow for most uses, especially in making Greens, of which several forts may be framed out of this Colour, being mixt with Blues; tis a Colour that grinds fine, and bears a good body.

### yome balle GREENS.

Tridigrease is the best and most useful Green of all others; tis a Cosour made out of Copper, being no o
ther than the rust of that mettal promoted by the sumes of sour Wine, and the
rape of Grapes; the process of which,
as 'tis performed at Montpelier in France
(where the best is said to be made) as you
may find in Mr. Ray's Travels, pag. 454.
Tis a delicate Green inclining to a Bluish
but with a little Pink Yellow, it makes
the delicatest Grass Green in the World;
tis a Colour that will grind very sine,
but not without some pains; and when
ground sine it lies with a good body,
and works well; at the Colour Shops
there is a fort of it that they call diffile
led Verdigrease, being a fort that is
wholly

The Art of Painting. 25 wholly purified from drois and filth, of good use in fine work, but too dear in vulgar Painting.

Green-Bice is a Colour of a fandy nature, and therefore not much used. Green-Verditer is also a fandy Colour, neither of them bear any good hody, and are seldom used, except in Landskip, where variety is required.

#### nabow ond BLUES into to area.

B Lue Bice bears the best body of all bright Blues used in common work, but 'tis the palest in Colour, it works indifferent well, but inclines a little to be sandy, therefore it requires good grinding, and that on a very hard stone; tis a Blue that lies best near the Eye of any now in use, except Ultra-Marine, a Colour produced from the Tincture of Lapis Lazus; the process of doing which, you may find in a Book called, Modern Curiosties; but this is so vastly dear, that its not to be used except in pieces of great price.

Blue Verditer is a Colour of no good body, but famething fandy, and of no very

belides

or

ns.

ed

nd nd

no-

ch,

nce

very good Colour of it fell, being apt to turn greenith, and being mixt with

6

M

W be th

fti

in gl

tW ot

gle di

110

ca W

it

W

aff

be

lo 25

Pa OU

nic

th Co

Yellow, makes a good Green.
Indigo is a dark Blue, if workt by it felf, to remedy which, whites are ufually mixt, and then it makes but a very faint Blue; this Colour is the tincture of a Vegetable called by that name, much growing in both the *Indies*, the Leaves of which being put into wooden Cesterns, filled with Water, are often violently flirted about till the greatest part be reduced to a flime or mufcel age, which being leparated from the Water, when funk to the bottom, and dried, produces that substance which we call Indigo; 'tis a Colour that grinds very fine, and lies with a good body, and is very much used in vulgar Paint-

Note, That the longer this Colour is ground, the more beautiful and fair it

Smalt is the most lovely Blue of all others, if it lie at a distance, but it must be only strowed on upon a ground of White Lead; for it is a Colour that caries no Body in Oyl it is fo fandy; befides

belides: Owlo changes the Colour, and it makes it look quite Black bencepion Whites be mixed, and they spoil thed beauty of the Colour and makes it faint to therefore the best way to lay it on is by frowing (as I shall show in the follow W

ot h

it u y re e, ie

n

n

THE PARTY OF THE P

ing work) and then there is not a more glorious Colour in the World of hoog s

Note, That of this Colour there is two forts, the one much finer than the other, but the courlest gives the most glorious Colour of all, if lookt on at a distance, for near the Eye the beauty is not so great; the finest is that which is called Oyl Smalt, which if ground with White Lead, may be laid in Oyl; but it bears not a good body, and besides works with much difficulty.

Umber is a Colour than really has not affinity with the others before mentioned, in being aeither a White, Black, Red, Yeld low, Blue of Green, yet is a Colour of as great the as any of the reft in vulgation Painting; this an Earth or Mine, dug a out of a certain Island in the Mediterror nian Sea, being of the Complexion of that which among us is called a Hair Colour; ait grinds very fine, and bears.

28 . The Act of Painting. D

the best body of any Earthy-Colour that's down in use, and when burnt becomes me the most natural shadow for Gold of all others, and with a mixture of white, it dressed by the Colour of New Oaken-wainscot the nearest of any Colour in the World y it dries quickly, and with a good Glossio V and tuolog another

li

2

ir

0

tl

ti

W

21

a

i

a

C

la

n

Ŋ

a

Ti

ti

ì

Š

A Term Explained in the foregoing Notes, about bearing a Body.

Some may fay, What is to be underflood by a Colour's bearing a Body ? Ion fay then, to bear a Body, is to be of fuch a nature as is capable of being ground so fine, and mixing with the Oyl fo intirely, as to feem only a very thick Oyl of the same Colours of this nature are White Lead, and Cerus Lain in black, Ivory Black, Vermillion, Redied Lead, Lake, Pink, Yellow Oaker, Vervol digreafe, Ellera Marine, Indigou Blue 28 Bice, Umber, and Spanish Brow Blues Bice and Red Lead indeed are not fo fine 10 as the rest, but yet so fine as they may an be faid to bear a stery good mody dvall d thele may be ground for fine is to be like. 971

.Admiset of Painting of9

like, even Oyl it felf, and then they also may be said to work well, spreading so smooth, and covering the body of what you lay it upon, so intirely, as that no part will remain visible where the Pentil hath gone, if the Colour be

worker fifth of the child sinds

es ...

11

it

11-

in

th

aola

ng

nols

Ion

of so

ıg

10

гу

iis

n-de

disd

CIVOL

35-21

nes !

neuo

NAVE

that

e.

T-

Whereas on the Contrary, Verditers and Smalts with all the grinding amaginable, will never be well imbodied with the Orl nor work well; indeed Bice and Red lead will hardly grind to an Oily fineness, nor lye intirely finooth in the working, yet may be laid to bear an indifferent body, because they will cover fuch work very well that they are laid upon; but such Colours as are faid not to bear a body, will readily part with the Oyl, when laid on the Work fo that when the Colour shall be laid on a piece of Work, there will be a leparation, the Colour in fome parts, and the clear Oyl in others, except they are temper'd extream thick, flum reduil! ked hie in large Lumps, and not taken

ked hie in large Lumps, and not taken out till they be throughly red hot: if you AHD tote curious you may include it in a Cruciple, and then pur it into the interesting the contents.

Ike, even Ovl it felt, and then they allo may be faid to work well, toread ing to finooth, and covering the body of what you lay it upon, to intirely, as

of the burning of Colours, ar preparing of them that require to be fa wfeel.

Whereas on the Contrary, Verditers Enthis nature there be divers forts. as first Landblack, all Coloniof fo greaty a nature charescept it be buting awill regular a lting hindelpoldby. in Secondly milled ben if boom intend it for the Colour of a Horie Hair; of to be a Shadow for Gold, then training fits is for that purpose, by making so brighter aid upon; but fuch Colour askish bus Lam black itanst he burnty or rather depend thus no put lit into ah Oron Ladle. 95 12 Cruciple quand fer in over a clear Fire letting it remain till if be red hote of to nearing that there is no manner of clear Oyl in othesi most estina aslored

Umber must only be put into the naked fire in large Lumps, and not taken out till they be throughly red hot: if you are more curious you may inclose it in a Cruciple, and then put it into the

fire

a

C

b Lit

fe

ci it p

П

W cl

t

1

ne

+1

fire till it be red hot, then take it out, and when cold, put it up for use.

like.

alla

that

ring

d

orts:

ffe

int.

l it

itei

het He, eat

ibt.

of

na-

en

if

ofe

he ire

325

Ivory must be burnt thus: Fill two Cruciples with Ivory Shavings, then clap their two Mouths together, and bind them fair with an Iron Wite, and lute the Joints close with Clay, Salt, and Horfe dung, well beaten sogether, then fet it in a Fire, covering it all over with Coals, and let it remain therein, till you are fure the matter inclosed in the Carciples be throughly red hot, then take it from the fire, but open not the Cruciples till they are perfectly cold, for it you should open them while hot, the matter would turn to ashes: the same will be done if the Joints are not luted close, for tis only the exclusion of all air that prevent any matter whatever that's burnt to a Coal, from turning to a white all, and preferves the black. Colour is feetled to the bortom their pour off that Water into a fecond Partin. en Velleb that is large enough to cour sin

the first vessel tist of Water to optice him

times, then pour more Water into the

and Aler and fire the Colour that the

mains vill the Water bethick; and after

from must be bernt thus: Fill two Cruciples Min 1901ASH Das. then

How to mash such Colours as for their bugrittiness are not otherwise to be us made fine enough for certain Uses.

and when cold, but it up for use

it

ir

V

b

tl

al

n

te

ti

ti ti

n

ES ii OS

Ъ

b

3

Some Colours are of such a gritty I landy nature, that it's impossible to grind them so fine as some curious works do require; therefore to get forth the flower and fineness of the Colour, you must do thus; Take what quantity of Colour you please to wash, and put it into a Vessel of fair Warer, and stir it about till the Water be all coloured therewith; then if any fifth swim on the top of the Water, scum it clean off, and when you think the grossest of the Colour is settled to the hottom, then pour off that Water into a second Earthen Vessel that is large enough to contain the first Vessel full of Water four or five times; then pour more Water into the first Vessel, and stir the Colour that remains till the Water be thick; and after

it is a little setled, pour that Water also into the second Vessel, and sill the sirst Vessel again with Water, stirring it as before: do thus so often till you find all the sinest of the Colour drawn forth, and that none but course gritty stuff remains in the bottom; then let this Water in the second Vessel stand to settle till it be perfectly clear, and that all the Colour be sunk to the bottom; which when you perceive, then pour the Water clear from it, and reserve the Colour in the bottom for use, which must be perfectly dryed before you mix it with Oyl to work.

The Colours thus ordered, are Red-Lead, Blue and Green Bice, Verditer Blue and Green, Smalt, and many times Spanish Brown, when you would cleanse it well for some fine work, as also Yellow Oaker, when you intend to make Gold-

Size of it.

much

ringh it grinds

fire

tty

to

rks

the

ou

of it it ed

on

off.

the nen

th-

ain

five

the

refter

it

Take Notice also, That unless you intend to bestow some cost, you need not be at the trouble to wash your Colours, but use them for coarse ordinary work, as you buy them at the Shops.

D

CHAP.

#### CHAP. V.

#### How to grind Colours with Oyl.

d

tl

VI

al

lf

it

m

as

cl

PI

10

as

gi

fh

W

Sa

T Hen you come to grind Colours. Vib let your Grinding from be placed about the heighth of your middle; let it fland firm and fast, so that it ice gle not up and down; then take a finall quantity of the Colour you intend to grind (two spoonfuls is enough) for the less you grind at a time, the easier and finer will your Colour be ground a lav this two spoonfuls of Colour on the midit of your Stone, and put a little of your Linfeed Oyl to it, (but be fore you put not too much at fait) then with your Willer mix it together a little, and turn your Muller 3 or 4 times about. and if you find there be not Ovlenoush. put a little more to it, and grind it till it come to the confistence of an Owns. ment; or appears as free from landinels. or any fort of lumps, as the most curious fort of Butter; for then it grinds much

much better and fooner than when irs to thin as to run about the Stone: You must oftentimes, in the grind-ing, bring your Colour together with a piece of Lanthorn Horn, and with the same keep it together in the middle of your Stone, when you find you have ground it fine enough by the continual Motion of your Muller about the Stone, holding it down as hard as your strength will permit (which you must also move with such a fleight, as to gather the Colour under it) and that no knots nor grittiness remains, but be as fine even as Butter, or as the Oyl it felf, then with your Horn cleanse it off the Stone into a Gally-Pot, Pan, or whatever elfe you defign to put it into, and then lay more Colour on your Stone, and proceed to grinding as before: do so thus often till you have ground as much of this fame Colour, as that ferve your occasions; and if you grind other Colours after it let the Stone be well cleanfed from the first Colour with a Cloth and fine dry Athes, or Sand.

2-

5

511

to

he

nd

ay

e.

le

ft

th

Be

it,

h,

11

Ĥ.

ß,

i

ds :h Some grind at one time to much of D a every

every Colour, as may be sufficient to serve a long time together, which they keep tyed up close in Oxe or Sheeps Bladders; and by this method a Man shall prevent the daubing of himself too

often by grinding of Colours.

Those that list not to be at the trouble of grinding Colours themselves, may have of any fort, ready ground, at the Colour shops, at reasonable rates, either in smaller or larger Quantities as they have Occasion, from an Ounce to an Hundred Weight or more.

#### CHAP. VI.

How to order Colour for working after they are ground.

When you have ground your Colours (if you observe my Directions in grinding) they will be too thick for use without the Addition of more Oyl; therefore when you have ground those Colours you defire, and intend to use them, either simply by themselves, hi

S

n

Q,

ie i-

to

340

too of

and

by ves.

themselves, or compounded with others, according as your fancy or occasions require, you must then add more Oyl unto them, till they be so thin as not to set the ground on which they are laid be seen through them; for if it be so thin as to let the ground be seen through them, or to run about when it be laid on, it is not good, and will require to be coloured the oftner before your work be perfect and substantial; whereas if your Colour be as stiff as it can well be wrought, your work will be done with more speed; once doing being then more than three times doing with thin Colour.

Here by the way take notice of the find and deceir of common Painters, who commonly agree to do work by the Yard at a certain price, and the work to be coloured three times over, which they commonly paint with fuch thin Colour (to avoid the labour of grinding, a little Colour ferving a great deal of Oyl, and befides it works with less pains, and takes up less fruit ) that all three times doing over is not so substantial as one time would be, if the Colour had

had a thick and substantial Body; and I'll maintain, that three simes colouring with substantial and well bedied Colour, shall last ten times as long as that which is wrought thus slightly by common

Painters.

In mixing Oyl with your Colours, take this further Note, that if the Colour to be mixt be your priming Colour, (that is the first Colour you lay on) it ought to be made very thin, that it may have Oyl enough to pierce into the Wood, which is much for its preservation, but after your first Colour is laid, let your next be thicker, as before is taught.

Some Colours will be a long time before they be dry if mixt only with plain
Linfeed Oyl; to remedy which, there
is a way to prepare Linfeed Oyl by art,
to make any Colour dry that is mixt
with it. As for Example. To a Quart
of Linfeed Oyl, add two Ounces of the
Litharge of Lead (which may be had at
every Drugfter's Shop) pouder it injely
before you put it to the Oyl, when you
have mixt it, let it on the Fire in an
Earthen-Pan, and let it hoyl for near an
hour.

nd

og

ır.

ch

on

s,

11,

it

ay he

aid,

je-

in re H,

X

がなおおば

H

II.

hour, more or less till the Oyl be grown thick and fat, and almost of the thickness of Treacle that comes from Sugar; then set it a little on the five, and stir it well, then put out the Flame, and ser the matter stand till it be throughly cold, and the Litharge well seried to the bottom, then pour off the clear Oyl, and keep it for use in a Bladder crose tyed up, for want of that, in a Glass-Bottle.

When you mix up your Colours for working, put three parts of plain Linked Oyl, and one part of this drying Oyl, together in a Pan, and mix them well together, and with this temper up your Colours; this fat drying Oyl shall not only make your Colours dry sooner than plain Oyl, but it shall also add a beauty and suffre to the Colours; so that they shall dry with a gloss, as if they had been varnished over.

Some Colours indeed don't need to have their drying halfened by a fat Oyl, fuch are Red Lead; Verdigreafe, and Himber; these are very drying in their own nature, but yet fat Oyl added to these also, add a great beauty and lustre to the Colour.

D 4 Some

Some Painters, to make their Colours dry, take Copperas, and having beaten it to pouder, burn it in a Fire shovel, as people do when they burn Allum; that is, they set it on the fire, till being melted with the heat, it being continued thereon so long, till all the moisture be exhaled, and the matter remain a dry white Calx; some of this pouder of burnt Copperas, being added to the Colours in grinding, shall make the Colour dry very well.

1

1

I

1

The way before recited for making of drying Oyl, has one inconvenience in it, that it makes the Oyl of a deep redish Colour, which in some cases may alter the native beauty of some Colours, as Whites, which be apt to become Yellow, also Blues may by this means be

come greenish.

To prevent this, a drying Ovl may be prepared, as shall be clear and white of Colour, in the manner following.

Put the afore mentioned quantity of Linfeed Oyl to the like quantity of Litharge; put the mixture into a Glass, and let it in the hot Sun, for a Month, in the Summer time, stirring the Litharge

tharge and the Oyl well together, twice a Week during the whole time, and you that hot fail in that time to obtain an Oyl, very white and clear (for the Sun takes away all Colour, either from Linked, or Walnut Oyl o but alfordir will become in that time very fail and thick, and attain to a very drying out.

lity.

t

eyn

rs

ry

Bee

eþ

ay

rs,

el be

E&E

Li,

ith.

EI.

rge

By the fame methods may Nut-Oyl be made too dry as well as that of Lin-feed, it being preferred before that of Linfeed, for all White Painting that is not exposed to the open Air, for those ferved, that in all close places, Binfeed Oyl is apt to make White Lead turn HE Operation is thus for wells' The Notice & Philo allo fimple Loleursbirded win? Howle Painging, appear much more beautiful and luftrous liv hon they appear as in glazed over with a Variath, vor which both the drying Olyl before in encioned with the buries very maich, and afforthe Oybof Tunbentine than the Paliters rule and make their Colours they Toon Abire Emperience adables what Come good clear Turpentine, dissolved idiate eferential GyD of Tupening helite it he -91¢

42 The Art of Painting.

be mixt with the Oyl Colours, shall make those Colours shine when dry, and preserve their beauty beyond all other things, drying with an extream glasey surface, and much more simpoth than Oyl alone; and shall also better resist the Injuries of Air and Weather, provided too much be not put in

By the fame methods may Nuc

e made too, dry as well as that of him

gribling adi rot said dim diodinfeed

ſ

D

01

כוז

pre-

THE Operation is thus for the maleng of Gold Size; Take YellowOaker and grind it on a Stone with Mater till it be very fine, and afterwards
lay it on a Chalk Stone to day at his is
the common way dot you may main it
as is taught in the Fourth Chapter. For
when it is wafted, to be fure nothing
but the purelilofs the Colour will be
med; and belides; it's done with aless
daubing. Jolid surrough Oakers are thus
if When your Oyl and Oakers are thus

prepared, you must grind them together, as you do other Oyl Colours, only with fat drying Oyl, but it's something more laborious work, and must be ground very fine, even as Oyl it self: for the finer it is, the greater Lustre will

your Gold carry that is laid on it.

Here Note, That you must give it such a quantity of your fat Oyl, that it may not be so weak as to run when you have laid it on; nor so stiff, that it may not work well; but of such a competent Body, that after it is laid on, it may settle it salf smooth and glasy, which is a chief property of good size.

Silver-Size is made by grinding White Lead with fat drying Oyl, fome adding a very little Verdigreafe to make it bind.

The practice of guilding with either Gold or Silver, I shall refer to Chapter XIV.

tour; first took ever the work, and take period where the foints he open in the foints he open in the foirest or whether there the show lings (1.5's in the Palts, for if there are not

A-A-HrD wer will infinuate it self into

dilpatch

all

ry,

all

am

ter

er,

if

001

13) (()

ow.

rds

5 16

For

ing be

one Soci

ore-

cheputed of the theory of the core

with the drying Oyl but it's fomething units to be the work of the time of the

The Prastice of wonking Oyl-Colours, and Painting of Timber-Work, after the manner of vulgar Painting.

W

ar

th

th go vi th

印印

fa th

CO

VE

th

fuch a cuducity of your far Oyl, that ic hatwhich I here eath vulgar Paint vin the distolly the way and manner of Colouring all manner of Wainfcot! Doorsi Windows Poffs Rails, Pails GatesiwBorder Bourds for Gardens, or any other material that victories either heautypr prefervation from the violence of rain vot injury of weather; the the thiod of doing which I shall lay down as plain as I can. Suppose then that there be a fer of Palifadoes, or a pair of Gates, or fisme Posts and Rails to paint, and I would finish them in a Stone Colour; first look over the work, and take notice whether the Joints be open in the Gates, or whether there be any large Clefts in the Posts, for if these are not fecured the wer will infinuate it felf into those defects, and make the quicker dispatch

#### The Art of diameian

N

5,

er

n)

P

er

ot!

15,

or

nef

nce

ne-

WI

at

of

nt)

Joi

ake

the

rge

not

nto

ker

tch

dispatch in ruining the whole Work let the first butiness therefore begite stop up these places, smooth and evenil with a Putty made of Whiting and Linfeed Oyl, well beaten together on the grinding stone, with a Wooden-Mailet, ito the Confistance of a very stiff Dow, and with this let all the Crannies, Clefts, and other Defects be perfectly filled up, that it may be equal to the farface of the stuff, then proceed to the priming of the Work with fome Spanish Brown wellground and mixt very thin with Linfeed Oyl, with this do over the Work, giving it as much Oyl as 'twill drink up; this in about two days will be indifferent! dry, then if you would do the work hibstantially, do it over again with the fame priming Colour; when this is through dry, then take White Lead well ground and tempered up, not too thin, for the stiffer you work, it the better body will be laid on, and the thicker coat of Colour that your Timber is covered withal, the longer 'twill last; let this Colour be well rub'd on, and the whole furface of the Work be fo intirely covered, that there remain no crick nor corner

corner bare, which you may eaffly do by jobbing in the point of a Briftle brush: Let this first Colouring dry, and then go over it a second time, and if you please a third also, the charge will be a little more, but the advantage will be

Pa

W

fo.

ati

im

0

an

Ex

acc

an

cui

ing

bte

ide

mo

WI

dir

in 4

pro

Pai

ufe

much more great 17 E to some finance

This Comfe is fafficient for any kind of Timber work that requires only a plain Colour, whether you thus cover the Work with a Stone Colour, or elle with a Timber-Colour in Umber and White or a Lead Colour with Indico and White, that with White being the cheapeft of the three by much; nay, I have known fome lay over their Work' only with a coat of Spanish Brown, by tempering it up more fliff than was done for the two first primings, which in some respects is cheapest of all, and preserves the Timber perhaps as well as any. Now he that is able to bring the work thus far on has proceeded to the highest pitch of that vulgar Painting that aims at prefervation beyond beauty, though fomething of beauty is necessarily included in this also, but this is not all, for he that is arrived thus far, is in a fair way

way to other perfections in the Art of Painting: but for the Pannelling of Wainfortwith its proper shadows, and for imitating Olive and Walnut-Wood, Marbles and such like in these must be attained by ocular inspection, it being impossible to deliver the manner of the Operation by Precept without Example, and I am bold to affirm, that a Manshall gain more Knowledge by one day's Experience, than by a hundred spent to

do

h:

en

ou

be

be

a er

fe'

br

co

he

I,

by ne

ne

2

W

us

n

DS.

h

u.

or

if ly

Jadvise therefore all those that desire an insight into this business, to be a little curious, if opportunity offers, in observing the manner of a Painter's working, not only in grinding his Colours, but also in laying them on, and working in them , in all these observing the motion of his Hand, in the manage of any kind of Tool; and by this means, with a little imitation, joined to the directions here given; I doubt not but in a short time you may arrive to great proficiency in the business of vulgar Painting.

Note: That if when you have made use of your Colours, there be occasion

48. The Art of Paintings

of a small Gecation till the Work be finished; in this Case 'tis best to cover the Colour in your Pots with Water, for that will prevent their drying, even in the hottest time.

ye

110

th

lit

cil

22

up

fia

cil

yo Pe

cat

all

fan

And for your Pencils, they ought, for some as you have done working, to be well washrout in clean Linfeed Oyl, and then in warm Soap Suds, for if either Oyl for Colours be once dryed in the Brush or Pencils its spoiled for ever.

It has been observed, that Timber laid over with white, when is has stood some time in the weather, the Colour will crack and shrink up together, just as Pirch does if laid on any thing that stands in the Sun; the Cause of this is for that the Colour was not laid on with a shift body, able to bind it self on firm and fast.

Notice, that if you shall at any time have occasion to use either Brushes that are very small, or Pencils, as in many cases there will be occasion, you ought then to dispose of the Colours you use upon a Pallet (which is a wooden Instrument, easy to be had at any Colour-Shop)

T

r,

n

0

e

d

er

10

er

bc

ur

at

is

th

rm

ke me

nat

iny zht

use

In-

op)

Shop) and there work and temper them about with your Pencil, that the Pencil may carry away the more Colours for your are to note, that if a Pensil be only diprinto a Poc of Colour, it brings out no more with it than what hangs on the outfide, and that will work but a littleway! whereas if you rub the Pencil about in the Colour, on the Pallet, a good quantity of Colour will be taken up in the Body of the Pencil, and befides all this, you may work your Pencils better to a point on a Pallat, than, you can do in a Pot; the point of a Pencil being of greatest use in divers cases, especially in drawing of lines and Whites and Black guidhing will be sound W Gold lookswell upon a White ground,

## Gold and Wick and Men Suy well

chocially if the matter to be suit he

What Colours are most sutable, and set of best one with another.

BY fetting off best, I mean their making each other look most pleafant; for two of some particular Co-E lours lours put together, or one next the of ther, shall add much to the Beauty of each other, as Blue and Gold, Red and White, and such like: But Green and Black put together, look not so pleas sant, neither do Black and Umbers or Haw Colour, and such like.

All Vellows then fer of best with

All Blues fer off best with Whites and Yellows. I shall be your end in que

di

m

T

lic

an

ale

di

Whites, the same and great and the

Whites fet off well enough with any

Reds fet off best with Vellows, and Whites and Blacks, and the best like

Gold looks well upon a White ground, especially if the matter to be guilt be carved.

Gold and Black also shew very well.
Gold on Timber Colour, shews also very well.

So does Gold and a Horse Flesh Colour, made with the brightest Spanish Brown.

But the most glorious ground of all others for Gold are the Vermillion, Red.

Red, the Smalt Blue, and the Lake, laid on a light ground.

has said to observe a consum of the law.

01

of

id i

or

th

lia

es.

be

db

by !

id

HE

d,

be

fo.

0-

fh

11

D.

d.

Of Some Colours that arife from mixture.

Afte Colour is made of White Lead and Lam black, if a deep Afte Colour, then take the more Black, but if a light one, then take but little White, and most Black.

A Lead Colour is made of Indico and Whiter to home

A Colour refembling new Oaken-Timber, is made of Umber and White-Lead.

Lake, White Lead, and a little Vermil-

A Buff Colour, take Tellow Oaker and White Lead.

For a Willow Green take Verdigred fe

For a light Willow Green, take Verdigreafe and White.

to Peter Hartracia in the in Colour

#### 52 The Art of Painting.

For a Grafs Green, take Verdigreafe and Pink.

A Carnation is made of Lake and White.

Orange Colour, Yellow Oaker, and Red Lead.

A Light Timber Colour, mix Sprufe-Oaker and White, and a little Umber.

Brick Colour, Red Lead, a little White and Yellow Oaker I stom all a dat make

For a Straw Colour, take White and a little Yellow Oaker.

Olive Wood is mitated with Oaker, and a little White veined over with burnt Umber.

Walnut-Tree is imitated with burnt Umber, and white vein'd over with the fame Colour alone, and in the deepest places with Black.

Pales and Posts are sometimes laid over only with White, which they call a Stone-Colour.

Sometimes Posts and Pales are laid over with Indice and White, which is called a Lead Colour.

Window Frames are laid in White, if the Building be new, but if not, then they generally are laid in Lead Colour,

ar L

m

ly

CO

## The art of Painting.

or Indico and White, and the Bars with Red-Lead.

e

d

d

e.

te

nd

ini

er,

th

nt he

eft

0.

a

id

is

re.

ien

or,

Doors and Gates, if painted in Pannels, then the shadows of a White ground are Umber and White, but if laid in a Lead-Colour, then the shadows are listed with Black.

Tis not possible to set down all those varieties of Colours that may be produced by mixture; that they would see more, may peruse Doctors Salmon's Polygrafice, where he shall find great variety. But those which I have here given an account of, are sufficient for common Painting.

# min and C H A P. L. X. sared

Of Painting Sun-Dials, and first of the Plains on which Dials are to be drawn.

promerule and

Dial Plains are of two forts, first fuch as are made on the Wall of a Building, or secondly, such as are drawn on Tables.

E 3

The

The first fort, if they are made on Brick Work, is done by Plastering on the Wall with Lime, Sand, and Hair mixt, this, if well drencht with Linfeed-Oyl, after 'tis dry, or as long as it will drink in any, may be durable enough.

But a better way is to temper the Lime, Sand and Hair with Linfeed Oyl, which will be no great charge, but of great advantage; for this mixture will equal in time the hardness of a Free-flone, and keep the furface as free from

If you were to work on a Stone, the best way is to drench the Stone with Linseed Oyl till 'twill drink in no more, then shall whatever you paint upon it, be the better prepared against the ruins of time.

Now for Tables of Wood, they being the most Common, I shall give such Directions for the making of them, as I have always found most profitable and fit for this purpose

The Woods that I find best for this use are the clearest Oak, and the reddest Firr, provided it be not Turpentiney; between

1

r

9

W e

F

1

7

n-

37

e

h

,

15

h

I

d

n T

Dials

between these two Woods I find little difference, as to their alteration by the weather, both being subject to split in cale they are bound, and have not free liberty to shrink with dry weather, and fwell with wet; but as to their lasting. I judge Oak to be the better: and how long Fire will last when secured and detended with Oyl Colours, I have not yet experienced; but we may judge that good Red Fire, that is hard, will alt the Age of any Man whatfoever, if it be fecured as things of this nature ought to be.

In working any of these kind of Woods, I advise, that first your Boards he cut to fuch a length as you intend your Dial Board shall be of, and so many of them as may make up the breadth defigned; then let them be jointed and plained on both fides, and afterwards fet to dry (for 'tis observed, That though Bord have lain in an House never fo long, and are never fo dry, yet when they are thus shot and plained. they will shrink afterwards beyond belief, if kept dry): when you think they are dry enough and will shrink no more, let

The first fort if they are made on Brick Work, is done by Plastering on the Wall with Lime, Sand, and Hair mixt, this, if well drencht with Linfeed Oyl, after 'tis dry, or as long as it will drink in any, may be durable enough.

But a better way is to temper the Lime, Sand and Hair with Linfeed Oyl, which will be no great charge, but of great advantage; for this mixture will equal in time the hardness of a Freefrome, and keep the furface as free from the injuries of weather apposed an area

If you were to work on a Stone, the best way is to drench the Stone with Linfeed Oyl till 'twill drink in no more, then shall whatever you paint upon it, be the better prepared against the ruins of time.

Now for Tables of Wood, they beiog the most Common, I shall give such Directions for the making of them, as I have always found most profitable and

fit for this purpose.

The Woods that I find best for this use are the clearest Oak, and the reddest Firr, provided it be not Turpentiney; between

n

H

ir

1-

25

le

HW

ie

1,

of 11

en |

M

VE

ie,

h

e, t,

ns

h

I

d

is ft

in

Pinis

between these two Woods I find little difference, as to their alteration by the weather, both being subject to solit in case they are bound, and have not free liberty to thrink with dry weather, and fwell with wet; but as to their lafting. ljudge Oak to be the better: and how long Firr will last when secured and detended with Oyl-Colours, I have not yet experienced; but we may judge that good Red Fire, that is hard, will aft the Age of any Man whatfoever, if it be secured as things of this nature ought to be.

In working any of these kind of Woods, I advise, that first your Boards be cut to such a length as you intend your Dial Board shall be of, and so many of them as may make up the breadth defigned; then let them be jointed and plained on both fides, and afterwards let to dry (for 'tis observed. That though Bord have lain in an House never so long, and are never so dry, yet when they are thus that and plained. they will shrink afterwards beyond belief, if kept dry): when you think they are dry enough and will shrink no more, let let them be again shot with good Joints. and let every Joint be secured by two Wooden Dove Tails, let in crofs the foint on the Back-fide; but let this be done when the Boards are glewed together and well dryed, and what a Dove-Tail is every Joiner knows. After it is thus glewed, and the Joints be fufficiently dry, then let the face of the Board be very well plained and tryed every way, that it may be both smooth and true, and the edges shot true, and all of a thickness, as Pannels of Wainfcot are commonly wrought, the edges must be thus true and even, that it may fit into the rabet of a moulding put round it; Just as a Panel of Wainscot dorn in its Frame: This will give liberty to the Board to shrink and swell without tearing; whereas Mouldings that are nailed round the edge, as the common way is, doth fo restrain the motion of the Wood, that it cannot thrink without tearing: but Boards made this way will last a long time without either parting in the Joints, or fplitting in the Wood,

111

hir

m

bu

ab

re

Se

an

T

fr

th

fa

en

Dials are formetimes drawn on Plains fined with Copper or Lead, that they may be free from splitting or tearing I but I prefer a Board (if it be made as above is directed) before them in manur refrects "As first, in is much cheaper? Secondly, Lead (and Copper too a lits de) will swell with the heat of the Sunt and grow in time fo hollow, and as it were swelled outwards, that the Truth of hes fladow will belsmuch injured! Thirdly, the Colours will be apt to peel from the mettal, and the Dial will by that means be in danger to be sooner de faced than if it were painted on a wooden Plaint qu'at sant of the Loovi will not remain a body fulficient to med

s e

d

hd

1

ıt

ot r-

11

ne he

ot ds

nė

or

1:

ils

# it be too thick " A H a the viay for the joint of the Joint of the to be

the party regentless, on the continues of

How to make the best Gine for gluing the Joints of Dyal Boards.

This may by some perhaps be counted needless to be inserted, especially in these parts, where sew Men that work in Timber, can be ignorant of it:

#### 58 The Art of Painting

But suppose a Gentleman that lives in the Country, have a mind to have a Dial Board made, and being not willing to send to London, imploys his own Carpenter; I must tell (you, that many Country Carpenters scarce understand the right way of making or using Glue, to whom such a direction as this may

provelvery welcome omir ni word bus

it on the fire, then put in it about half a pound of good Glue, and hoyl there gently together on a fost fire, till the Glue be wholly diffolved, and of a due confistance; for if it be too thin, the Wood will so drink it up, that there will not remain a body sufficient to bind the parts together; on the contrary, if it be too thick, 'twill not give way for the Joint to shut close enough, to be strongly joined; for though 'tis Glue that makes the Joints stick, yet where there is too much of it, that the Joint can't close exactly, 'twill never hold firmly.

Whenever you come to use Glue, take care that it be first throughly that; for Glue that is not hot, never takes firm

hold of the Wood. The will nishou

Be

al

ne

for

28

th

tit

th

sin

ea

ling

Car-

any.

and

lue,

nay

fet

nalf

ere

the

lue

the

ere

ind

if for

be hat

ere

n't

ke

for

m

Be

Be fure alfo, that the Substance you are to glue, have not been touched with Oyl, nor injured with Greate, for where these have before touched, Glue will ne vei take fall hold after : But note, that after a thing is once glued falt, no Greate nor Oyil can then hart it it anost yrays

Your Ghie being made ready, and the Joints of your Boards that true, fet both the faces of the Joint close together, and both also rurned upwards then dip a Brush in the Glue, and he finear the faces of both Joints, as quick as possible; then clap the two faces of the Joint together, and flide them long ways one upon another, two or three times to fettle them close, and so lee them stand till they are firm and dry. practice of Painting the Dial, but before

to STOW CHI AS PLOTO XITE INVESTO

What Colours are requisite for the Painting of a Sun-Dial work

To which purpose I place first Sale. Our Colours are fufficient for this Workewize Spanish Brown, for the priming or first Colour to de sabelword

White-

Vermillion, for drawing of the hour

Lines, in sull hardness or orded averagen

And Lam black, for the Figures in the Margent respecting the Lines of every Hour, if it be a plain Dial. I for

But if you inrend to guild the Dial, and the Figures, then there is required fome others, as Gold, and the Size to lay it on, and Smalt for a Blue ground, if you intend a rich Colour, but some lay the ground, where the Figures are guilt, with Vermillion, and that shews well, if the Figures are lifted with Black, and a Black Moulding round the nimes to tettle them chale and talking

The next particular should be the practice of Painting the Dial, but before that can be done, the Draught must be drawn; and therefore I thinks word of of advice may not be unfeafonable, if it directs you to the best Authors that have written of that fubject. 111. 1

To which purpose I place first Stirrupis Dialling, as being of excellent use to acquaint a young Learner with the knowledge of the Sphear, at no givening

The

趟

alli

out

100

wh

ing

clin

ftru

Qu

nica

knc

reft

clin

gre

lati

dra

gen

two

wa

T

The next in order shall be Collin's Dialling; a Book of great worth throughout.

0

M

£

H

d

0

1,

e

re

VS:

h

ne

he

ore

be

of if

ir-

ufe

the

The

The third Leybourn's Dialling, in which you have the best ways for drawing East and West Dials, and Far Decliners: He is excellent also in the Instrumental way:

The fourth is Collin's Sector on a Quadrant, in which you have communicated the Cur of a Scale, that by knowing the Declination, gives all the reft of the requifites of an upright Decliner, by inspection only; with as great exactness, as by the nicest Calculation: Besides, it teaches the way of drawing the Hours of a Dial by the Tangent Line, and also by the Scale of Hours; two of the best and most expeditious ways that ever were yet found out.

### CHAP. XIII.

The Practice of Painting Sun-Dials.

When according to the Rules given in the Books aforementioned, you

you have drawn on Paper the draught of your Dial stand that your Board be ready, and your Colours prepared according to the Directions before given. you must in the Painting of your Dial proceed thus; Take Spanish Brown that is well ground and mixed Idmewhat thin, and with a large Briftle Brush, dipr therein, Colour your Board or Plain all over, both on the Back as well as Forefide, for that you leave no part uncoloured, this is called the Priming of your Dial . When this fuft Colour is dry, do it over again with more of the fame Colour, tempered fomewhat thicker; and when this is alfodry, you may, if you please, do it over again with the fame Colour, your Work will be the Substantialler, and last longer,

When this last time of Colouring with your Red Lead be dry, then with White Lead colour the face of your Plain over, and when it is dry, work it over again three or four times more, successively after each drying, so shall the face of your Plain be sufficiently defended against the many years sury and vio-

lence of weather.

When

Wi

Plai

roz

cret

Pla

Dia

hali

Dia

whe

and

take

and

you

Cen

VOU

qui

Sou ly i

**VOU** 

Faf

of.

Pla

it,

refi

ht

be

IC-

n.

al

at

at

h,

in

25

n-

of

is

he

k-

ly,

he

he

th

ite

er,

in

ly

of

ed

0-

en

When the last Colouring of your White he dry you must draw on your Plain (with a Black Lead Pencil) a Horozonial Line do far diffance from the upmoft edges of your Dial, as your differ cretion shall think fit of your Experience finds to the most becoming your Plain, then fer out the Margin of your Dial with boundary Linesforthe Hour half Hour, and quarter divisions of your Dial (as in most Dials you fee is done) when you have thus fet out the Margin and Boundary Lines of your Dial, then take your Paper draught fairly drawn and place the Horozontal Line which you before drew on your Plain in doing of which, observe to place the Center according as the Situation of your Plain for Convenience fake reoures: thus: If your Dial be a full South Dialithen let the Center be exacte ly in the middle of your Plain: but if your Dial decline from the South, either East or West, then place not the Center of your Draught in the Center of your Playn, bur nearer to one fide or other of it, according as it declines, having also respect to the quantity of its declination.

#### 64 The Art of Patiting

CIA

cil

the

the

gu

tra:

mu

300

YOU

eve

YOU

tha

hav

tak

mi

as:

Lin

To For Example: If your Dial decline Fastwards, then let the Center of your Draught be plac't between the Center and the Eastern fide of your Playn, the quantity thereof must be according as your Dial dectines; if it decline but a little, then place the Center softwour Draught bur a little from the Center of your Playma and if it declines much place the Center of your Draught the more out of the Center of your Playn! The reason of my advising this is, that by fo doing you may gain a greater distance for those Hour Lines which in declining Playns fall neater together on one fide than they are on the other, for which reason balways use it in all declining Playns, except betheve decline fan as between 80 andropo nDegrees: for then we commonly draw them without Centers ato gain the more distance for the Hour Lines, to albbim add no

When your Paper Draught is thus Artificially placed on the Playn, and fastened with Pins or small Tacks; then let the Draught thereof be transferred to the Playn, by laying a Ruler over every Hour, half Hour, and Quarter Division:

The Attent Painting.

1e

ır

er

18:

1

ur of

b

he

at

er ch

et

ry ill

ne)

s:

ce

us

nd

en

ed

rer

n:

accord.

Division: and where your Ruler shall cut or intersect the boundary Lines of your Margin, there make marks, by drawing Lines with a Black-Lead Pencil, of such a length as each division requires (or is detigned by your boundary Lines) observing always to draw the Hour, and half Hour Lines quite through your Margin, that they may be guides for the right placing the Figures, and for a small spot that is usually placed in the Margin, right against the half Hour.

When your Dial Draught is thus transferred to the Playn it self, you must not forget to draw the substil Line according as it lyeth in your Draught, to be your guide for the right placing your Still or Cock; for you must in every particular be very exact, or else your Dial cannot be good.

When you have taken every thing that is required from your Draught, and have transferred it to the Playn, then take your draught off, and with Vermillion very well ground and prepared, as before is taught, let the boundary Lines of your Dial, as also the Hour,

half Hour, and Quarrer Divisions be drawn therewith; let your Colour be as thick and stiff as you can possible work it, so as to draw a clear and

fmooth Line.

When your Vermillion Lines are drawn, then with Lamp Black let the Figures be made, and a fpot in the middle of the Margin right against the half Hour Line; and if you please, in the Margin, at the top of your Playn you may put the date of the Year, your Name, or some divine Sentence, as is usual in things of this nature: then sit in your Cock so as to make right Angles with the Playn, so shall your Dial be drawn and similated in all respects as a plain Dial ought to be.

th

lei

th

yo yo

to

SH

dr

cor

ing

ope

you

## THE VIC H A P. XIV.

How to guild with Gold on an Oily Size, either Letter or Figures, &c.

W Harloever you would guild must first be drawn with Gold Size (of the making of which, see Chap. 7.) accorde

le

d

Eio

re

9

IIF he

ur ur

13

fit les

be 2

OV

GV

De,

IL.

113

uft

ize

7.)

rd-

67

according to the true proportion of What you would have guilt, whether Fi gure, Letter, or whatever elle it be ; when you have thus drawn the true proportion of what you would have guilt. let it remain till it be fufficiently dry to guild upon, which you shall know by touching it with the end of your Finger; for if your Finger stick a little to it, and yet the Colour come not off, then is it dry enough: but if the Colour come off on your Finger, then is it not dry enough, and must be ler alone longer; for if you thould then lay your Gold on, it would fo drown it. that it would be worth nothing: but if your Size should be so dry as not to hold your Finger as it were to it, then is it too dry, and the Gold will not take for which there is no remedy but new Sizing; therefore you must watch the true time that it be not too wet or too dry; both extreams being not at all convenient.

When your Size is ready for guilding, take your Book of Leaf Gold, and opening a Leaf of it, take it out with your Cane Plyers, and lay it on your F 2 guilding

guilding Cushion, and if it lye not smooth, blow on it with your breath which will lay it flat and plain, then with a Knife of Cane, or for want of it, an ordinary Pocket Knife, that hash a smooth and sharp edge; with this, (being wiped very dry on your Sleeve that the Gold stick not to it) let your Leaf gold be cut into such pieces, or forms asyour Judgment shall think most

an

m

m

be

Wood

in

ti

fuitable to your works

When you have thus cut your Gold into convenient forms, then take your Tool that was before described in num. 9. of Chap, 1, and breath upon it to make it dampish, that the Gold may flick to it; with this Tool take your Gold up (by clapping it down on the feveral pieces you had before cut into forms) and transfer it to your Size, upon which clap it down according to difcretion, and your Gold will leave your Tool, and cleave to your Size; which you must afterwards press down smooth with a bunch of Cotton, or a Hares Foor: and thus you must do piece by piece till you have covered all your Size with Gold; and after it is fully dryed, aciting

dryed, then with your Hares Foot brush off all the loofe Gold, so will your guilding remain fair and beautiful.

aft be

U

U

d

ur

m.

to

ay

ur he

ito

on

ie-

ich th

res by

our lly

ed.

If your Work to be guilt be very large, open your Book of Leaf-Gold, and lay the Leaf down on your Work, without cutting of it into pieces, and to do Leaf by Leaf till you have covered quite over what you intend to guild: and if some particular places should mils there, take up with a small bunch of Cotton a piece of Leaf Gold, cut to a fit Size, and clap it on, that the Work may be intirely covered; and if the Gold be to be laid in the hollows of Carved Work, you must take it up on the point of a Camel-Hair Penfil, and convey it in and with the faid Penfil, dah it down till it lie close and smooth.

Note, That after your guilding is thus perfectly laid on, you may, if you please, Diaper or flourish on it with thin burnt Umber, whatsoever shall be suitable to your design: Let the Umber be tempered but thin, so that the Gold may appear through it; the form and order of which take from Examples which are abundant, where Painting and Guilding are found.

Note further, that a Book of Gold contains 24 Leaves, each Leaf being three Inches square; the price of each Book is two Shillings at the Gold Beaters one Book will cover 216 square Inches of work for so many square Inches is contained in 24 Leaves, that are three Inches square Inches square, every Leaf containing nine square Inches superficial in Gold the right understanding of this will much guide you in judging how many Books of Gold will serve to guild that work, whose superficial content in square

tl

W

11

III

Inches may before hand be known. In the street of the street of the street of the street of the street.

IN laying on Silver upon an Oilv Size; the same method in all respects is required as for guilding with Gold; save only in this, that the Size upon which Silver is laid, ought to be Compounded of a very little Yellow Oaker, and much White Lead, for the Size being of a light Colour, the Silver land on the will look more flatural, and retain its own Colour better, the white tank its own Colour better, the white the Size is

The Art of Painting Nate, That the Common Painters do now generally in guilding use more Silver than Gold, in most Works that are not much exposed to the Air, to which they afterwards give the Colour of Gold, by means of the Lacker-Varinth, whole use is now to common, that if they guild any thing that flands free from the weather, they only guild with Silver, and logive is the Colour of Gold with a Lacker Varnish, made of Gum-Lake, diffolved in Spirit of Wine, and land a wind with the sand in the sand i that is fost and phyable, dab it down close, that it may well take upon the ground laidy der Gray Onen you imagine the ground rothroughly be dry, The way of Palating at Blue with 11 Small the ball colones that te-Work Smiles Malt being a Colour that gives, its greatest lustre by the way of strowing only, I shall lay down the true method of performing this work: temper up White Lead preny friff with good lear drying Oyl; let it be as fiff as it

well

S Harwing

0

34

the

The Art of Painting. well can be to spend well from the Pencil, with this white Colour cover over the Superficies of the work you intend to strow with Smalt, and be very exact in the work, for the Smalt takes no where but on this new and moist ground, then take your Smalt, if the Work to be done over with it lye flat, frow it thick on the thing to be coloured, and with the feather edge of a Goofe Quill stroke over it, that it may lie even and alike thick on all places; and then with a bunch of Linnen Cloath; that is foft and plyable, dab it down close, that it may well take upon the ground laid under it and when you imagine the ground to throughly be dry, then wind off the loofe Colour with a Feather and blow the remainder of it off with a pair of Bellows, so is your Work finished. And thus you have a Method for Colouring any kind of work, by the way of strowing with Smalt, pro-vided the work be fuch as requires only the plain Colour.

the

wer

the

dra tha wit

> field fee nec

> > yo

ret

an

th

de

But in Case you delign to paint any kind of Body in Smalt, that requires shadow for the more perfect resembling the the thing you intend. As suppose it were a Blue Bell, or a Blue Boat, or the like: In this Case, when you have drawn out the perfect Simetry of the shape you intend, and have covered it with a ground of White Lead, well and stifly tempered with clear and fast Linfeed Oyl, then proceed to give it those necessary shadows you intend, with good Black well tempered; and when you have smissed these shadows, then strow on your Smalt, as before was directed; and when the whole is dry, and the superstuous part be taken away; the Work will appear, with all its shadows, as exact as possible.

V Company and a series

n

u

2

it

IT

a

シャーツやちゅ

Note, That the Work upon which you lay on this ground, for to be strowed on with Smalt, ought first to be sufficiently primed and laid also over once with white before you lay on the ground, that you may be sure the ground be perfectly white, for a white ground is the only thing that gives beauty and glory to the Colour of the Smalt.

In all other Cases, where the Work to be strowed over with Smalt does not lye flat, you must take Smalt up upon a

Thaistrief Painting flat basch of Linnen Cloath, and fo dab icupon the ground you are no lay it. the like: In this Cafe, when you haven drawn out the perfect Simetry of the ווצופר עסם וותפות, שושל ואועם שטעפוכת וני with a ground of White Lead well and fishy temperal with clear and fast Lin-Hope to scolar, refresh and preserve all neil mannen of Oal Painting in boos you have finished these thadows then the prairie and the sent and the tendicate only fuch as are kept from the injuries of meather wifer fuch Raintings hallendure the Ifury of Rain and Storms (fuchnas Sun Dials, Polts, Billish Englandanot any ways to be/renewed or refreshed bue by being new coloured with the fame Colour in which it was at first wrought, because that the body and firengill of the Colour is worn out by the continual talkaults of washing time, and eather be kept fresh, unless new dome dver once into ornal Years, and cordinglas the Weather is found to wear in all offer debt significant and who the in to But as for decht Painting that are thele pered from weather, as all Indoor Paint ings flat

ing

Cō

mu

mo

in 1

me

tha

for ftu

in

rut

ver

VOI

the

let

ing lai

Lio

ings are, they fill keep their Body and

Colour, although their beauty may be much impaired by dust finesk, fly thirs, moist vapours, and the like which will in time loys and tawnish them. To real

medy which, rake these sew Rules: needs

t.

di

ab hit

iw

in

HI.

08

OV

Att

)51 ha

in

e. W

h

16

m

で記

明

1

101

gs

If your Painting be Walnfeotting, or any other loynary or Camentary Works that is painted in Oyl, take Wood ashes well lifted, which mix with Water somewhat thickly, then take a strong stubbed briftle Brush, large, and dipining the moistened ashes, and therewish rub and from your Painting all over very gently in all places alike and when you find, that all the Boyd is taken off then wash it clean with fair Water, and let it dry and you will sind your Painting to be near as fresh as when first laid on.

But if your Painting be more Cutious, whether Figures of Men, Beafts, Landskip, Frutage, Florage, on the like, then let your Picture be gantly froured, and then cleanly washed off with fair Water: aften it is well dry, let it be the overwich Vamida made with white at large, and you will made with white at large, and you will made with white and Luftre of your Picture much recovered in valued risks algorithm.

The whites of Legs before mentioned, are only to be beaten to an Cyl, and then curiously rubbed on either with a

clean Lineal Cloath, or a Penfil.

But Nove That this feeting ought not to be practifed bur very feldom (as when your Picture is very much foiled) because often and too frequent operations in this kind must needs wear off a little of the Colours, therefore ftrive what you can to preferve their first beauty, by keeping them free from imoak, and by often Striking off the dust with a For-Tail, as likewise pre-serving them from Flies, by drelling up your Rooms with green Boughs to which the Flies will gather themselves and so not hurt your Pictures. Sir Hugh Plate in the First Part of his Garden of Eden, and 17 page, tells us of an Italian Fancy for this purpose, by hanging in the Roof and fides of the Room small Pompions or Cowcombers fluck full of Barley, which will forout into green Spiers on which the Flyes will lodge. Query, Whether Veffels of Tin made round DHE

tor Ea fpr

and not put

Thare Le

To M po

tay fre

W

da

Cluby

Ti la of

Li

d

The Art of Painting

found about full of holes filled with Earth, and every hole planted with a spring of Orpen, Penyroyal, Mints, &c. and watered as need requires, would not be more beautiful and useful for this

purpole in the light bear

1, d

a

...

nt as

1)

12

a

rft

m

he

re-

up

to

es,

gh

of

in all

of

een

ge.

ind

Another Note worth Observation is. That all Pictures (especially those that are wrought with mixtures of White Lead) are apt to tarnish and grow rusty, as is seen in all ancient Pieces. To prevent which, in the Months of May and June let your Pictures be exposed to the hot Sun three or four days, this will draw off much of the tawnish, and make the Colours more fresh and beautiful: and thus doing from year to year will preserve them wonderfully.

Although in the beginning of this Chapter I mentioned Dials among those things that are not to be refreshed but by new Painting; yet here take notice. That I think it not convenient at all to lay new Colouring upon the old ground of a Sun-Dial (that is, to draw the old Lines and Figures over again in the same posture wherein they were drawn

before)

the

iş i

for Co

as we

ly

-11

27

L:

ks

51

of

H

th

Ch

in

te

he

before) but rather to take the declinal tion lanele, ain't according beherounte make a new Draught of your Dial, and proceed in the Painting of it in all te spects as this were a new Dialy For it is observed, That Dials which were made many Years, as 30 or 40 years ago (which we believe went true when first made) will not give the figure Hour now, but go very false, which is caused by forme faciet motion of the Barth not bitherto taken notice of which apparently alress the declination of all Playns whatfoever of If any ones requires more fatisfaction hereing let him repair to fome old Dial that was made many years ago, and according to the diffunce of the Substile from the Meridian let him find out the declination when first made, as any Man, that is an Artist, can eafily do, then let him take the declination of the Plain by the Sun, and he shall find these two declinations to differ confiderably, according to the number of years contained between your observation and the time of the Dials first making; fo that a Plain that flood full South, 30, 40, or 60 years ago,

al

to

id

er.

TE

re

go

üř

èd

ot

ns

re

to

irs

of im

rft

ft.

he

nd

to

he

en

he

at

ars

go,

79

ago, thall naw, declinationed degrees either to the discheron along to the grains at the state of the West land, and the state of the Ranks along the restrict of the Ranks along the Company which is refound by Obishing and an along the space of the control of t

or any office and half after the Cloth be the districtive innirely

vernis Vareille, if firest on Canvas

An Experiment of very near affinity to Oyl. Painting, but of great use to Travellers of some kinds: To the chief Officers of Camps and Armies, Seamen and such like.

His Experiment is no other than a difference of the way and mystery of making Oyl Cloaths now wed for Hat Cases, and that is this: Take of the drying Oyl that is mentioned in Chap. 6. Set it on the fire, and difform in it some good rosen, on (which is better, but dearer) Gum Lack; let the quantity

80 The Art of Paintings

quantity be such, as may make the Oyl, thick as a Balsom, for it must not be so thin as to run about, if spread on a Cloth: when the rolen of gums are diffolived, you may either work it of it self, or add to it some Colour, as Verdigrease for a Green, or Umber for a Hair-Colour, or White-Liead and Lam, Black for a Gray, or Indico and White

ni

ed

al

in ta

gl

W

for a light Blue.

This Varnish, if spread on Canvas, or any other Linen-Cloth, fo that the Cloth be fully drenched and intirely glafed over with it, and fuffered to dry throughly, is impenetrable for all manner of wet; and if Carriers and Haglers, and fuch kind of perfors that are neces-litated to travel in all manner of weathers, had but a little light Canvas Cloaks made for them, and these Cloaks were afterwards Varnished over with the aforefaid Varnish, these Cloaks would fecure them from wet as well as if they remained still in their own Houses; for as I faid before no wet will penetrate through it; four and twenty hours rain would make no more impression upon it, than if it had never rained at all. The

1

S. C.

i

a

1-

s, ie

ly

X

n-

s,

a-

as

ks

he

ld

èy òt

te

in

on

he

The Officers Tents in an Army or Campi if Plastered over with this Varnish, will preserve them as securely from all wet, as the best Houses, and be as warm and dry , neither will there foll low any great inconvenience in Decamping ; for Canvas fo Varnished is almost as plyable as the naked Cloth and not very much more weighty, especially if the Varnish be laid on plain without any Colour mixt with it for that is both the lighter and more plyable. The lame advantage may Seamen reap by it, or any other perion that mult necessarily attend in storms and rain.

A Sheep Skin Boot well liquored with this Varnish after the Boot is made, and to throughly done over as to lye with a glass on the outfide. Thall endure more wet than the best Neats Leather Boot. being allo much more plyable, easy and light; the fame may be faid of Shoes in great part in our sell vino thurs are

The great reason why the Oyl Hat-Cale has not been more often in use! is by feafon of the difficulty required to form it into Garments, and then the

Yisy lay on.

very Hat-Cases themselves do let Water in at the Seams; but this Varnish being laid on after the Garments are made, does so intirely secure every part, as there's no possibility or place for the wets admittance.

36

mo

Tu

dry

hat

tio (fo

îce

get

ove as

Ca

wh

of

kin

mo

Ti

The fame may be of advantage to abundance of other humane necessities, too long here to enumerate; and for securing any kind of Timber Work, it equals Painting with Colours in Oyl, and much more easy to attain; for Linseed Oyl and Rosen are much more easily melted together by boyling than Colours can any ways be ground; and being of the consistance of a Balsom, works delicately with a Brush, and of it self, without the addition of Colours, bears a body sufficient to secure all manner of Timber-work, equal to, most Oyl-Colours.

In the working of it there's no great skill required, if you can but use a Painters Brush; only let the matter you lay it on be so throughly drenched, that the outside may be glazed with it: if you defire a Colour on the outside, you need only grand Colour with the last Varnish you lay on.

CHAP.

er ng e,

as he

to

es,

or it yl,

in-

ea-

be-

rks

ıf,

ars

of o-

eat

in-

lay

the

01

ed

ish

## CHAP. XVIII.

How to preserve all bright Iron work from ruft and other Injuries of a moist and correding air, by an Oily rands up the tiges rather addings and ale; his as I find before, an infallible

Take good Venetian, or for the want of that, the best and clearest common Turpentine, diffolve it in Ovl of Turpentine, and add to it some good drying Linfeed Oyl, in which Red Lead hath been mixt, made clear by Infelation, or long flanding in the hor Sun (for fome uses, the common drying Linleed Oyl may ferve) mix them well together, and with this mixture, Varnish over any fort of bright Iron work, fuch as Hinges and Locks, the Iron-work of Cabinets, or any other kind of Iron work whatever, that is used about the Houses of the Nobility and Gentry; as also all kind of bright Arms that is kept in Armories and other places of publick state; Tis a certain preferver of all fuch Ironwork

work from rust, let it be what it will, provided it be such as it not brought into common use, for much handling will wear it off, and hear will again dissolve it; but for all such bright Ironwork that is used about either Carpenters or Joyners Work, that require not much handling, as also Arms, &c. that stands up for state rather than present use; 'tis, as I said before, an infallible Preservative.

Preservative.

When you use this Oily Varnish, 'tis best to warm it, and then with a Brush lay ir on as thin as possible; this is best for Arms; but for other from work it may be laid on cold; in four or five days after 'tis laid on, 'twill be throughly dry.

oi to

in

N

ye

a

lie

A

ye ne

ba

by

th

be

fo

O

Note, That such Arms as is done over with it, may, when they come into ale, be cleanfed from it again, by being warmed hot before a fire; for heat will distolve it, but Water will do it no hurt.

whatever, that is mind about in a Houses of the Nobiles, and Gentry - 28 alfoulishing on the Nobiles and other places of publick flate:

AA-Hollain preferver of all linch from work

between the Paper, and law it upon the bus tree one to find a theired while to rubit down sently as you co on till it lie ciol XIX the H O H O nd Blad.

the

ng ifm-

en-

ot nat

ent

ble

is

ish

eft

ay

af-

IY.

ver

fe.

ng

no

(2)

dw

to

nix

QIA

R

The Art of Back Painting, Mezotineto guido Prints, mith Oyl-Colouns to Shi out the Print lott moon the Chall, and

His Mystery confists chiefly in pasting the Print upon a piece of glass of fuch a Size as fits the Print. Now to do this, take your Print and lay it in clean Water for two Days and two Nights, or longer, if your Print be on very strong Paper, then take it our, and lay it upon two Sheets of Paper. and cover it with two more, and ler in lie there a little to fuck out the Moi-Aure : In the mean time, take the Glafs your Print is to be pasted on, and set it near the Fire to warm, then take Strafhere Turpentine and put it into a Gilly Por, and warm it upon the Fire, then take a Hogs hair Brush, the Hairs being well fastned by wedging, as before was thewed, and therewith foread over the Turpentine very fmoothly on the Glass, then take the Print droin between between the Paper, and lay it upon the Glass, beginning first at one part, and so rub it down gently, as you go on, till it lie close, and there be no Wind Bladders between, then with your Fingers roll or rub off the Paper from the backfide of the Print rill you see nothing but the Print left upon the Glass, and when this is done, set ir by to dry, and when its dry Varnish it over with some White Transparent Varnish, that the Print may be seen through it, and then it is fit for Painting.

fai

lo if

gi

10

y o

W

te

You may, instead of foaking your Prints two Days and two Nights, roll them up and boil them for about two Honrs in Water, and that will make them as fit for peeling as the other way, when rubbed with your Fingers, then having prepared your Oyl-Colours, as in the preceding Work is directed, grinding them very fine, and tempering them up very stiff; let the backlide of the transparent Print be Coloured over with fuch Colours as each particular part does require, letting the Mafter Lines of the Print Still guide your Peneil, so will each particular Colour lye fair

fair to the Eye, on the other fide, and look almost as well as a Painted-Piece. if it be done neatly.

Note. That the shadows of the Print are generally fufficient for the shadow of every Colour, but if you defire to give a shadow from your Pencil, then let the shadows be laid on first, and the

other Colours after.

d

11

d-

rś

-

ig id

d

e

10 an

10

ur

11 10

se.

er

rs, rs,

d, ge

ot

er ar

er

n.

ye. ir

Note also, That in laying on of Colours in this kind of backfide Painting. you need not be curious in laying them on fmooth, 'tis not ar all requifite here where the chief aim is only to have the Colours appear well on the forefide of the Print; and therefore the only care to be used in this work, is to lay Colour thick enough, that its body may strike the Colour of it plainly through the Glass.

Some Variety and wille Sal tas Enthan

tor a brown thir, lais threet and?

respond to the form of the contract of the con

William to the second of the s G 4 11 (15.11 Som)

#### 88.2 The Art of Paintings

Some Directions, far mixing of Oyl-1

Colours for divers purposes, in this is Art of Colouring Prints with Oyl-.

Colours.

## and belowers for feveral Faces in ad to

FOR Faces that are accounted fair, take White lead a little Vermillion and a very small touch of Lake been no

ti

M

ar

P

W

m

al

For the Lips take more of the Verno million and Lake than you did for the Face.

For a Brown Face take burnt Oaker

and White.
For a Tawny Moor, take Cullens
Earth, a little burnt Oaker, and a little
White.

#### Colours for Hair.

For a brown Hair, mix Umber and a little Black and White.

For a yellow Hair, take Stone Oaker, White lead, a little Vermillion.

For a flaxen Hair, take White lead, Stone-Oaker, and a little Cullens-Earth, Linen.

## The Art of Painting 890

it Cherry Colomnania de by mixing Is done with White Lead or Cerus. For Yellow Lineville either Yellow

Is done with White, a little Smalt, and fome White Masticote

6

91

0

bi

YY

10

17.7

r.

£13

S

e.

6)

d

r,

d,

h.

n.

\*\*\*

Gold. gomet and drive Is done with Red Orpiment and White Masticore, of each equal quan-Colours for Garments. StidW

For a Violet, mix file and Lake. For Blue Garments the best Smalt and White Leads was a bas asked wollay

For a Grafs Green, mix Verdigreale and a little Pink Yellow, 1010 11

For a Willow Green, mix Verdigreafe A Chalitat Colospid White of O Indian A

A Sea Green is made by mixing green Venditer Pink and White Lead. A

A French Green is made by mixing Pink and Indico.

A Carnation by mixing Lake and

White Lead.

A Crimfon is made by mixing Vermillion, Lake and White: Los and White

A Scarlet is only Vermillion laid ony alone. and a little Black.

For the Leaves of them that are near A Cherry

A Cherry Colour is made by mixing Vermillion and White Lead. V 900 bear

For Yellow, lay on either Yellow Orpiment or Yellow Masticote; if your Yellows are more pale, then mix White with the former.

For an Orange Colour, mix Red Or-

piment and a little Vermillion of the

For a Purple, mix Smalt, Lake and

White.

For a Violet, mix Bise and Lake. A Straw-Colour is made with White, Yellow-Oaker, and a very little Um-

An Ash-Colour is made by mixing Black and White. and I would' a form

A Chefnut Colour is made by mixing

Umber, Lake and White. 10 10

A Dove Colour, or the Wings of an Angel, take White, a little Lake, and a little Smalt. Carnation of mixing Lake

## Colours for Trees.

I Crimion is to de by mixing Ver-For the Bodies of Trees, take Pink, Yellow, White Lead, and Yellow Oaker, and a little Black.

For the Leaves of them that are near the the Eye, take Verdigrease and Pink, or if darker Coloured, then take Indico and Pink.

For Leaves of Trees farther off, take Green Verditer, Pink, and White Lead.

For them that are farthest of all, take Terrevert and White.

#### Colours for grounds behind a Pidure.

Note, That a light Hair requires a dark ground, and a dark Hair a light ground.

Ground Colours for a Picture with a light Hair, is made with Umber, White and Black.

A Ground Colour for a dark Hair is made with Umber and White.

3

n

d

k.

ī,

ar

he

#### For Ground in a Landskip,

Take Pink, Oaker, and White, with a little Green Verditer.

For Country Houses, at a distance, take White-Lead, Yellow Oaker, and Smalt; the same Colour serves also for Houses of Stone.

For Brick-Houses or Walls, take Yellow-Oaker

#### 912 The Art of Painting

low Oaker burnt, and White-Lead, if the Work be far off, but if near, then India Red, and a little White.

Work, of what kind foever, in Country Cortages take Umber, White, and a little Oaker.

#### Colours for guando Sella a P. Hire.

highest Skies, more White for the lower, and Yellow mixt with a little Vermilation for the lowest of all too bound and M reduct of all too bound

ti th

R

Pith

be

OV

m

pl 18

to

# A Ground Cology for a dark Hair is

The manner of Painting Cloth, or Sarsnet Shash Windows.

T E T the Cloth or Samuet be first wet in clean Water, and then trained tight to the Frames, and there made fast, and when they be through dry, Varnish them over with the following transpatent Varnish thus made.

Take

ne Take a pound of gopticle and ute VI put it into an Earthen Punktal undlage to it chalfia pound of good 8/14/1/1/jib tharge in fine Powder, fee it on a finally Fire, but box to boyly and let it fland horateastitwelverhours, thirring it offen in that rime (this adds a drying quality to the Oyl) when it has flood thus long pour it off from the Litharge by Inclina tion, then take a pound and a half of the clearest white Rosen beat it to Powden and mix is with the Ogle on flow Fire, always ftirring it till the Roleig he diffolved; then take it off and pur into it a pound of good clear Venus Tur pentine, and fir them all well together then with a good Brush lety our Shalhes be throughly Varnished over with this mixture, so that they may sappear all over clear and transparent sold fact the to

When this Varnish is dry, then you may Paint upon them what fancy you please with Oyl Colours, but Landskip is most common and natural, for which purpole, the Colours you mix ought to he fuch as are of a fine Body, and ape to become transparency to bits , right 500

love not too minelt brightness a Note do

M

r

n

B

T.

e

#### et Che Art of Painting

For these purposes, Lake makes an excellent transparent Ruby Colour, and distilled Verdigrease makes an incomparable transparent Green, Orpiment makes an excellent transparent Gold Colour, Umber and Yellow Oaker will become indifferent transparent, if thinly mixt, but for the rest, there are none that will lye clear in this work, but only according to the very thinness of their mixture with the Oyl.

of

fu

tic

gr

Otl

64

T

bo Hi

Au

fal

nu of

The aforefaid Varnish, as it is clear of it self, is an excellent Varnish for Paper Windows, being much more transparent than any other Composition, and more lasting; for the Resen and Turpentine being made tough, when dry, by means of the Oyl mixt with it, does more powerfully resist the Injuries of all weather than Oyl alone.

If any are troubled with weak Eyes, and cannot indure a bright Light, this Varnish mixt with distilled Verdigrease, and Paper Windows, or Sarsner ones done over withit, will make an incomparable green light, very comfortable to the fight, and of great benefit to such as love not too much brightness; a Note

The Att of Painting

of good use, especially to all great Students, whose light is often much impaired and weakened by poring too much upon their Books, the whitness of the Paper being observed to be often a great knemy to the fight of some Men, the inconveniencies of which such a green Light as this now mentioned, will infallibly prevent, beyond green reading Glass, Spectacles, or any other contrivance, yet found out; the like benefit may some Tradesmen also receive from it.

1

Ü

# co that his some had a most of the second a seco

take two Ounces of the best White Share

The whole Art and Mystery of Colouring Maps, and other Prints, in Water Colours.

Having, as yet, feen nothing published upon this Subject that is Authentick. I have thought fit for the lake of those that are inclined to lage nuity, to set forth the way and manner of doing this Work, it being an excellent

38 The Art of Painting.

dent Recreation for those Gentry, and others, who delight in the Knowledge of Maps; who by being Coloured, and the several Divisions diffinguished one from the other by Colours of different kinds, do give a better idea of the Countries they describe, than they can possibly do uncoloured.

Now to perform this Work after the nest magnetic there must be provided in

0

D

ca

of

fo

fte

fo

Gi

ter

An

ap

thi Di

up of

tin

fo

ma

thr

or 1

and

tha

best manner, there must be provided in the first place a Lye made with Tartar, and a Gim Water not your indeed and

To make the Tartar Lye do thus, take two Ounces of the best White Tartar, which is a stony Substance that sticks to the side of the Wine Vessels, and is sold by the Drugists. Wrap it up hard and tite in half a Sheet of Brown Cap Paper, wet it throughly in Water, and put it into a clear Fire, either of Wood or Sea-cole, let it remain therein till it be red hot quite through, then take it out with a pair of Tongs, and put it immediately into a fint of Water, and with your Fingers rub it well to pieces; put it into a long narrow Glass, and in a Day or two the Black will all settle, and the Lye will become pure clear:

clear: Pour off the Lye into a clean Glass, and keep it close stopt for use.

5

e

n

P,

5

r.

is

rd

ap

nd

od

till ike

put

ter, ufo

afs,

He

uife

ar:

To make Gum Water, take Three Onnces of the whitest and clearest Gum-Araback, which is also sold at the Drugists, and beat it as small as you can bruise it; then put it into a Pint of fair Spring Water, and let it diffolve therein, which will be much ha-ftened by shaking the Glass three or four times a Day very well, that the Gum that is diffolved may mix the ber ter with the Water that is above it: And when it is all diffolved, if there appear any Foulness in it, strain it through a Rag into a clean Earthen Diffi, and put ito a Glass, and stop it up for Use. Note, That too much of this ought not to be made at a time: For if the Gum be kept dissolved too long in the Water, it will rot, and fo be of no lufe; therefore observe to make it fresh once in two Months, or three at the farthest. 10 9 more

In the next Place, you must prepare or make your Colours ready for Use. and the best for this Work are those

that follow; Namely, an inquit a no

Copper-

Copper-Green, and that is made thus, take a Pound of Right French Verdi. greafe, made at Mompeliar, this being the best; for the Verdigrease made at any other place will fade. To this add Three Ounces of Cream of Tartar, beat them both into a fine Pouder, and take care, while the Verdigreefe is in the pounding, to ftop your Nose, and hold a Bunch of fine Linen in your Mouth to breath through, elfe the fubtil Pouder of the Verdigreafe will be apt to offend; and when this is done, mix both the Pouders in two Quarts of Water, and boil it in an Earthen Pipkin till it boil away a Quart, then strain it out when cold, and put the Liquor into a Glass. ftop it up, and let it ffand to fettle till the Liquor be very clear, to you will have a delicate Green: But sometimes the Verdigrease not being always of a Goodness, the Colour may not be deep enough for some Uses. In this Case, put fome of it into a broad Earthen Diffi, and fet it over a Chafing dish of Coals, and by a gentle Heat, diminish so much of the Liquor, till by trying on a Paper and letting of it dry, the Colour Copper-

is

an

W

bo Wi

fet

wi Th s,

ng

at

d

at ke

ne

ld

th

er

d;

he

nd

oil

en

fs.

ill

7111

aes

eep

ife,

nen

of

ish

ing

the

our

Indico

Colour please you: And here you are to note, That if it shine too much when dry, it is not right; for it is not rightly made except it but just shine, and if you cannot make the Colour deep enough by evaporating by Heat, the abounding Liquid, without making it faine too much, it were better to add fome more Verdigrease, and boil it up a new, till it become a Transparent deep Willow-Green. If you would make but a Pint of this, you must take but half the Quamities of each: And you are also to take notice, that this is a Colour that will keep many Years without decaying, if the Glass that contains it be close fropt up.

The next Colour needful to be made, is a Stone Colour, or a Liquor of Myrrb, which is thus done; take a Pint of your Tartar Lye, and add to it an Ounce of the best Myrrh in Pouder, which you can get at the Drugists, and boil it till the Myrrh is diffelved, which will be done in a finall time; let it settle and pour off the clear for Use, which you must keep close stopr up: This is also a Tincture which will ne-

H 2

ver

100 Che Art of Painting.

ver decay, and may be made fainter or deeper by boiling more of the Liquor away to make it deeper, or by adding Water to it to make it fainter.

And in the last Place, there is required a Crimson Colour which is speedily made thus. Buy at the Drugists fome good Cochinele, about half an Ounce will go a great way. Take Thirty or Forty Grains, bruise them in a Gally-Pot to fine Pouder, then put to them as many Drops of the Tartar Lye as will just wer it, and make it give forth its Colour; and immediately add to it half a spoonful of Water, or more if the Colour be yet too deep, and you will have a delicate Purple Liquor or Tincture. Then take a bit of Allum, and with a Knife Icrape very finely a very little of it into the Tincture, and this will take away the Purple Colour, and make it a delicate Crimson. Strain this through a fine Cloath into a clean Gally Pot, and use it as soon as you can, for this is a Colour that always looks most Noble when foon made use of for it will decay if it stand long,

Indico

## The Art of Painting. 101

Indico is another Colour used in colouring of Maps. This is bought at the Colour Shops that sell Paint, and it must be ground very fine on a Stone, as you do Oyl Colours, with a little Tartar Lye to make it give its Colour, and look the brighter, when its ground perfect fine like a thick Syrrup, add Gum Water to it till it be thin enough for your purpose, and keep it in a Glass close stopt up, but it will settle so, that when you use it you must stir it up from the Bottom.

For a Yellow Gumboge is the best, it is sold at Drugist in Lumps, and the way to make it fit for Use, is to make a little hole with a Knife in the Lump, and put into the hole some Water, stir it well with a Pencil till the Water be either a faint or a deeper Yellow, as your occasion requires, then pour it into a Gally Pot, and remper up more, till you have enough for your purpose.

Red Lead is also a Colour much used in this Work, and so is Orpment; both which you may buy at the Colour

Shops very finely ground, fo that they
H 3

200

ed

æ

u

Or

m,

nd

u,

un an

ou

ys

ule

lico

102 The Art of Painting.

need only to be tempered with Gum

Water to be fit for Use.

Blue Bice is also used often, which needs only to be tempered with Gum-Water, and when Men delign to be curious, they may use instead thereof Ultramarine, which is the best and most glorious of all Blues, but vallly dear, yet fmall Papers of it of about Two Shillings Price may be bought at some Colour Shops, which if carefully used, will go a great way: It needs only to be tempered in a very small Gally Pot with a little Gum. Water, till it lie on the Paper with a good Colour.

There is also an exceeding glorious Red or Crimson Colour, called Carmine, which is also very dear, yet about Half a Crowns worth will go a great way in the Uses to which it is put; it needs only to be tempered with Cum-Water, and gives feveral degrees of Colour according as it is thicker or

thinner tempered,

Vermillion is also used in some cases. This is a glorious Scarlet, and needs only to be tempered with Gum-Water,

## The Art of Painting. 103

for it may be bought very finely ground to Pouder at the Colour Shops; only clis to be noted, that this Colour shews much brighter when dry, if glazed over with some thick Gum Water, made by putting Two Ounces of Gum Araback to half a Pint of Water, or less.

And for fome Uses, burnt Umber ground very fine, with Water as thick as possible, and then tempered up with Gum Water to a due thickness, make

a good Transparent Colour.

There is another Colour needful in this Work, which is a most pleasant Grass Green, and that is made thus, take a Lump of Gum Boge, and make a little hole in it, then put therein some Copper Green, stir it about with a Pencil, and from a Willow you will see it turn to a Grass Green, which you may make deeper or lighter, as you stir it about a longer or a lesser time.

## no of the Practice of Colouring Maps. Cu

The Colours being prepared as before is directed, you may proceed to Cover H 4 long

S. IS I,

104. The Art of Painting.

in

m

ly

n

a

V

lour a Map in this manner, first take notice of the several Divisions in a Map which distinguish one Kingdom from another, or one County from another, which are known by certain Lines, or Rows of Pricks, or Points of feveral Sizes and Shapes agreeable to the Divisions they are to denote. for instance, Portugal is distinguished from Spain by a row of large Points, or Pricks, and the Provinces of that Kingdom, or Shires, as we call them in England, are distinguished one from another by Lines of leffer Points or Pricks. Now if you were to colour the Kingdom of Portugal do thus, first with a small Camel Hair Penfil in a Ducks Quill; colour over all the Hills within the large prick Line that divides it from Spain with the Tincture of Myrrb very thin; then if there be any Woods, dab every Tree with the point of a very fine Pencil dipt in Grass Green, made of Copper Green tempered up with Gum Boge, but in dipping your Pencils into any Colour, ftroke it against the fides of the Pot or Glass in which you put it, that the Colour may

may not drop from it and spoil your Work; then with another Pencil diet in Red Lead, tempered thinly with Gum-Water, let the Principal Cities and Towns be done over that the Eye may more readily perceive them. Laftly, with a Ducks Quill Pencil dipt in Copper Green, trace out the Bounds of one of the Provinces, keeping the outmost Edge of the Pencil close to the Pricks, and be careful to lay your Colours all alike, and not thick in one place and thin in another, or too deep in some places and too light in others; and when tis almost dry, take another clean Pencil of the same Size, and dip it in Water, stroaking the Water out well, and therewith rub upon the infide of the coloured Line, till it take away most of the Colour on the edge, and make it grow faihr and lofe it felf by degrees, and continue to to do till you have gone quite round; then take Yellow made of Gum-Boge, and go round the infide of the Pricks that divide the next Province, fweetning over the innermost Side of it; when almost dry, with a Pencil dipt in Water, as you f Indico.

106 The art of Painting.

you did before, do over the next to that with the Crimfon Tinture made with Cochinele, and the next do round with Red Lead, and the next to that with any of the former Colours that will fo agree with the Work, that two joining Provinces may not be coloured with the fame Colour, for then you could not diffinguish them.

And in this Work of dividing, obferve, That when your Boundary Lines pals through Woods already coloured, or Hills; observe then, I say, to miss those Woods and Hills in your drawing a Colour round the Province, and be careful also not to draw any Colour over the Cities or Towns that are painted Red, for that spoils the Beauty.

And when you have coloured over or divided all the Counties, then colour the Sealboar, and all Lakes of Water, if there be any, with thin Indico, working of that fide of the Colour which is from the Land faint, with a wet Pencil as before was taught, and if there be any Ships, colour the Water shaded at the bottom with the same Indico,

Indiwith My, or fent Sm

Sme and of wh

> Le Co wh

> > it lor As

ed V E

MEN

H Q H

The Art of Painting. 107.

Indico, painting the Hull of the Ship with Umber, the Sails with Tincture of Myrrb, and the Flags with Vermillion or Blue Bice, and if they are represented as firing their Guns, let all the Smoak be done with very thin Bice, and as for the Margent or square stick of Degrees, as the Gravers term it, which goes round the Map, let that be coloured either with Yellow or Red Lead, or Crimson, none but those three Colours serving well for this purpose.

As for the Compartment or Tide which confifts generally of fome near Device to let the Map off, and make it appear more beautiful, it may be con loured according to the Nature of it. As for instance, Crowns or any thing representing Gold with Yellow, shadowed in the darkest parts of the Graving with Orpment, the Hair of Men or Wo men with Tincture of Myrrh: or if Black, with half Water half common ink, or with burnt Umber; the Flesh of Women or Boys with a very little of the Tincture of Cochinele, in a large Quantity of Water, and Garments either with thin Green shadowed with thicker.

The Art of Painting. thicker, and with the Tineture of Cochinele made thin with Water, and shaded with the fame Colour thicker. and thin Bice and shadowed with a thicker mixture of the fame, or with Vermillion (haded with Carmine. - In general observe. That the thinner the Colour is laid in the lightest part of all Garments, and the deeper in the Shades the more beautiful it appears; for the thick of the fame Colour is the most natural Shade for most Colours, except Tellow and Blue, for Blue fornetimes requires to be shaded in the darkest Places with a Black, or at least with thick Indico; and Tellow requires Red-Lead or Crimson, and sometimes it appears very pleasing when shaded with

If you are to paint Clouds, do them fometimes with Tincture of Myrrb, and in fome Cases, with a very thin Crimson, and for Variety, you may do some with thin Ivory Black, ground very Fine, and Tempered up with much Gum-Water. Smoak is best represented with very thin Blue Bice, and if you are to colour any Research of the presentation

Green.

## The Art of Painting

presentation of Sea Waves, do it with does spoil half a fore Mans in or osibni

If you are to colour any Representations of Land, do the lightest parts over with very thin Yellow that reprefents a Straw Colour, shading it with Orpment; and in other parts, do it with light Green, and shade it with a deeper Green: Rocks must be done with Tinctute of Myrrh, and the Trees fome with Copper Green, some with dark Grass Green, and some with thin Umber; Houses may be done with Red. Lead, and the Tiles with Vermillion, or with Bice to represent Blue Slat, Caftles may be done with Tincture of Myrrh in some parts, in others, with thin Red-Lead, and the Spires and Pinacles with Blue.

But when all is faid that can be faid, the only way to colour Maps well, is by a Pattern done by some good Workman, of which the Dutch are esteemed the best; three or four such Maps coloured by a good Artist, is sufficient to guide a Man in the right doing of his Work: But if he cannot obtain this, he may by a few Tryals grow a good Artist

The Art of Painting. TIO

Artist in a short time; for this is only attained to by Practice, and if a Man does spoil half a score Maps in order to get the knack of colouring a Map well at last, there's no Man that is ingenious

will grumble at it.

The Art of Colouring well may be attained to by Practice, as was faid; but the hardest thing is, to know rightly how to make and prepare the Colours which here is taught faithfully And if your Paper be good and bear the Colours well, without fuffering them to fink into it, all that are here mentioned will lie fair and pleasant to the Eye, and tis the Fairness of the Colours that is most esteemed in this Art of Map-Painting: But if the Paper be not good and strong, no Art can make the Colours lie well; therefore in buying Maps, chuse those that are Printed on the ftrongest or thickest Paper.

of while PWH Hos are consed the belt, three or four fach We'ps co-

or real with a fifth is good by the world eid to this FINIS neM relino

hoos tendry stay that grown good